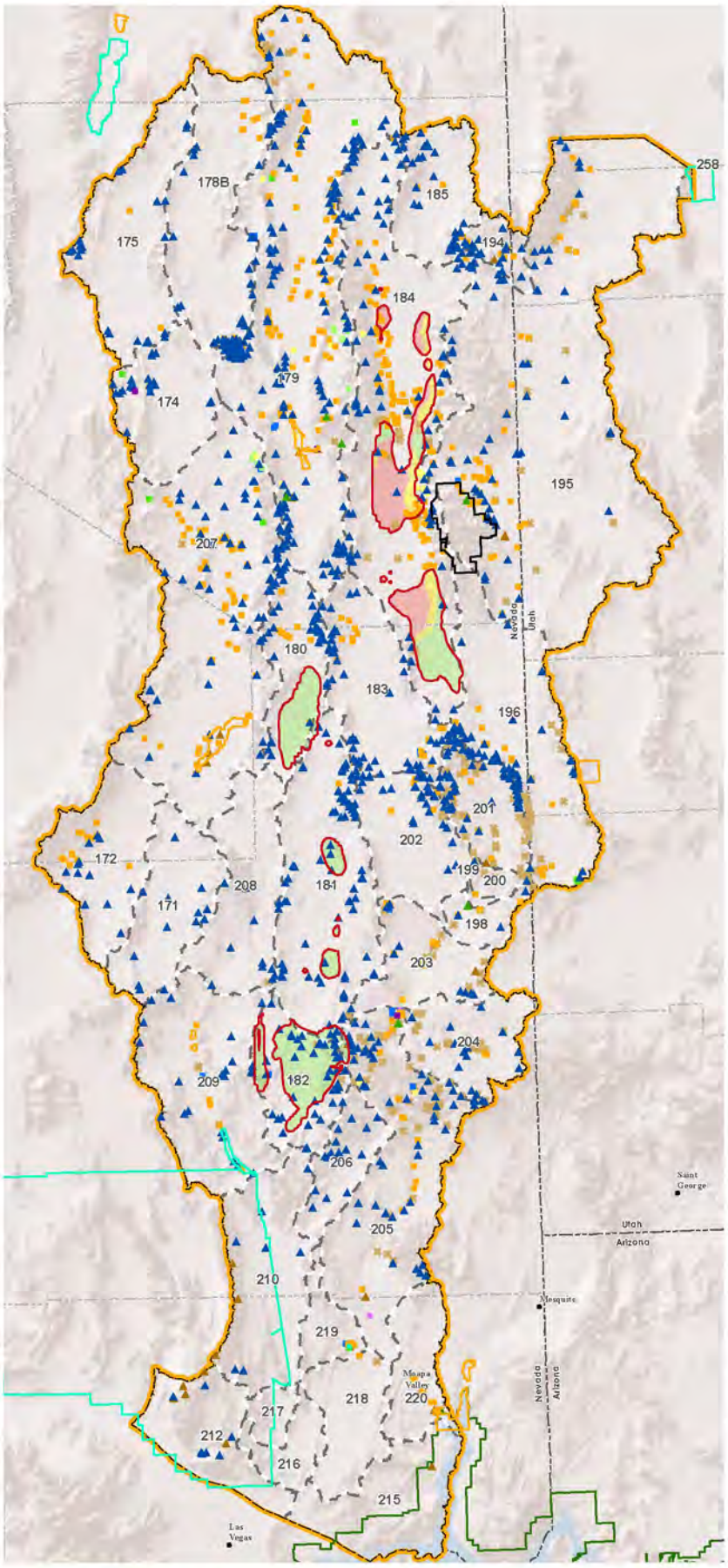
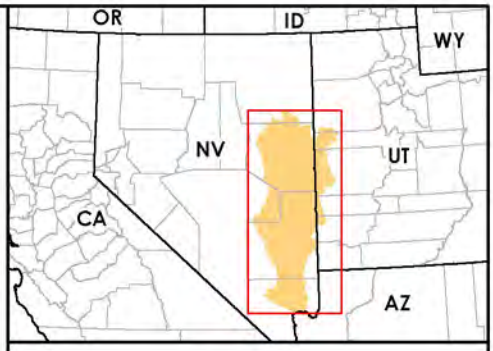
F3.3.12

Areas of Potential Risk to Surface Water Rights located within the Predicted Drawdown Area





Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
- Moderate – Valley margin areas where some impacts may occur
- High – Valley floor areas where impacts are likely to occur

[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

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179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-1
Potential Impacts to Surface Water Rights
Proposed Action
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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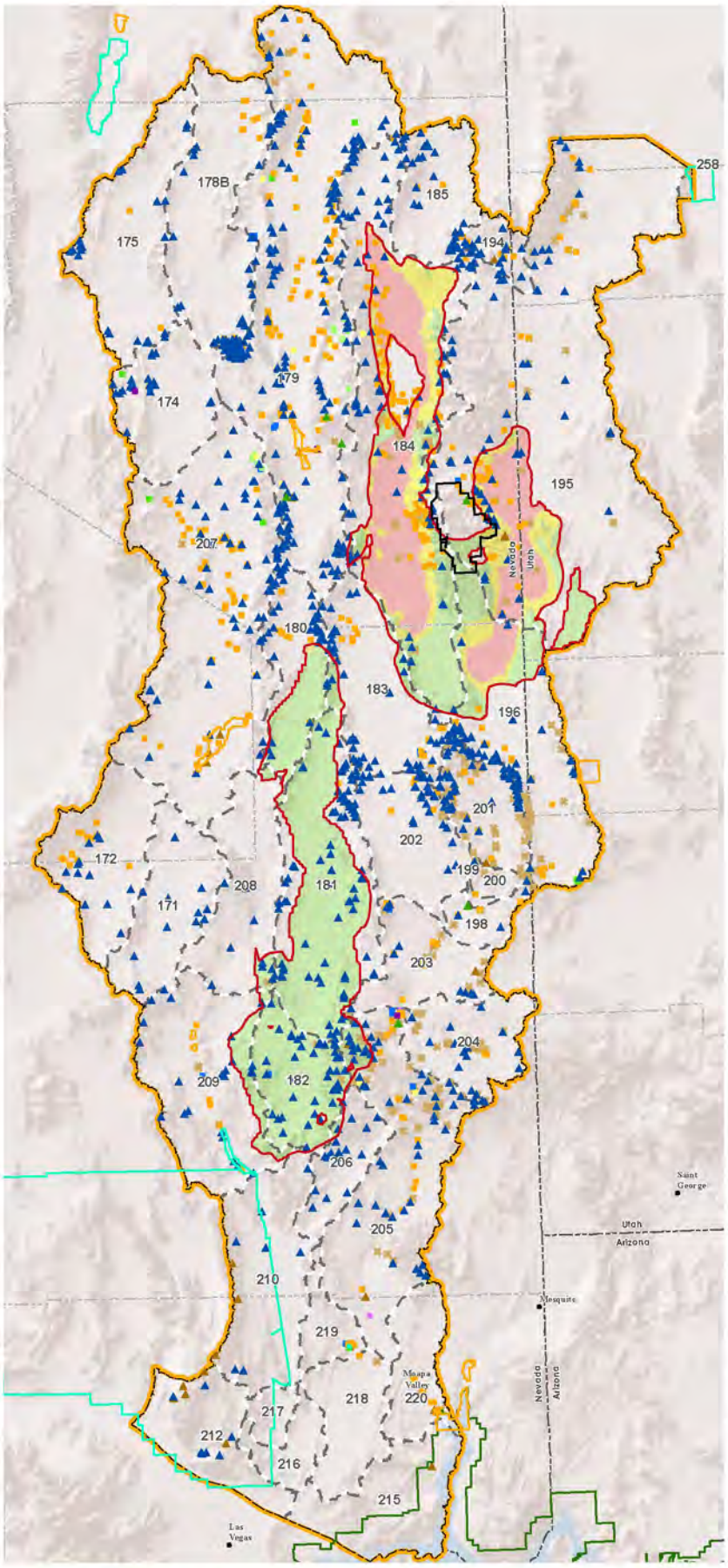

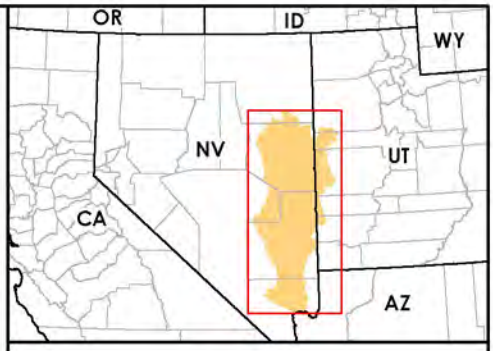

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-2
Potential Impacts to Surface Water Rights
Proposed Action
+ 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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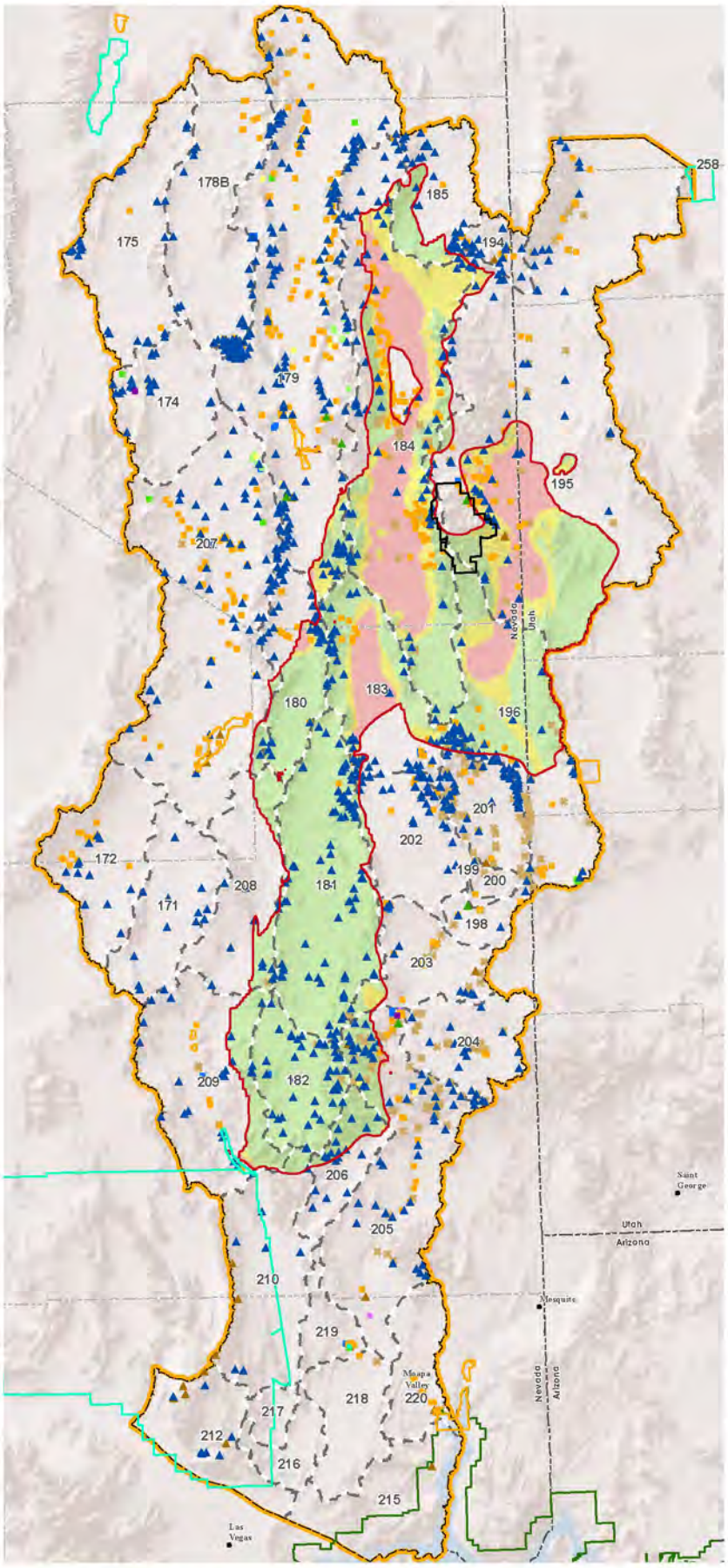

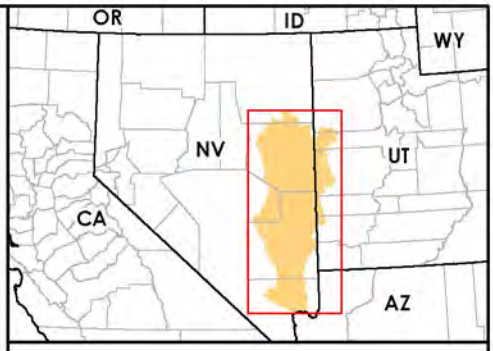

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other

- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-3
Potential Impacts to Surface Water Rights
Proposed Action
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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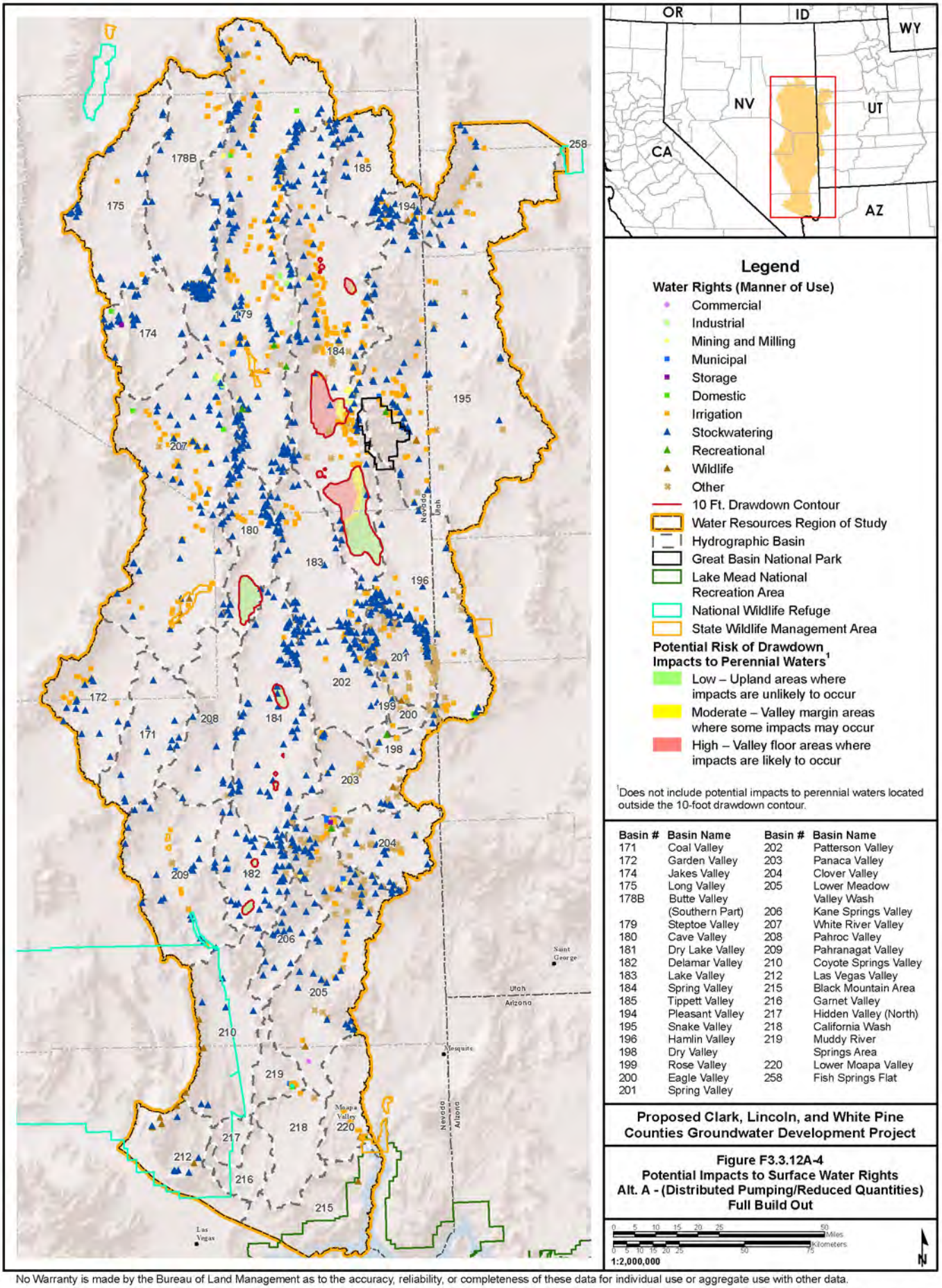

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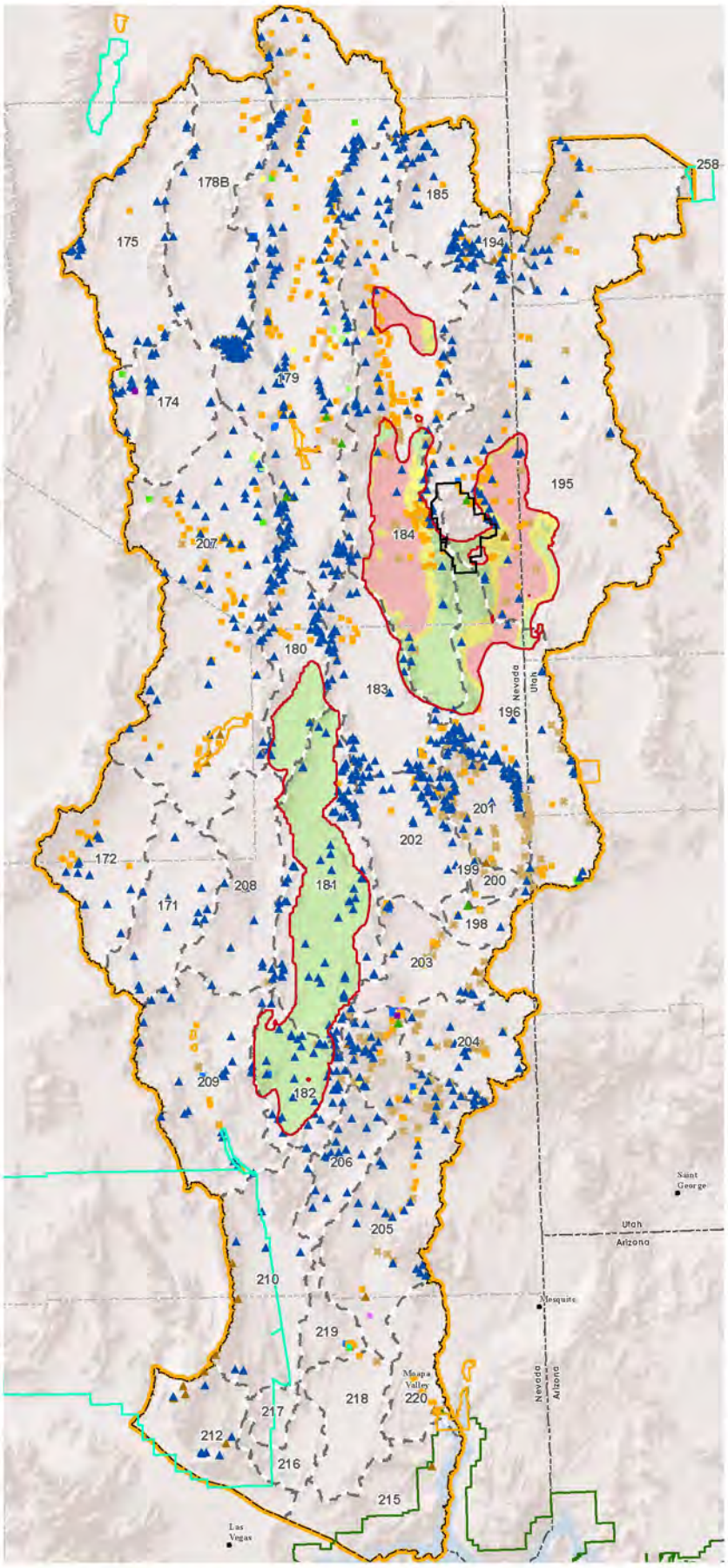

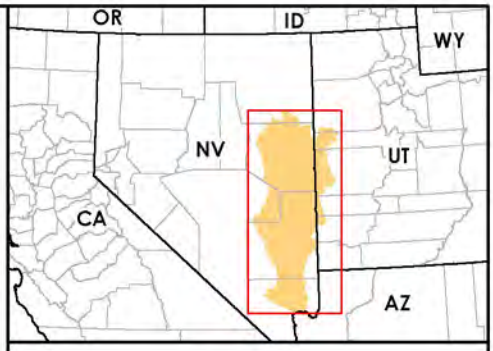

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
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- High – Valley floor areas where impacts are likely to occur

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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-5
Potential Impacts to Surface Water Rights
Alt. A - (Distributed Pumping/Reduced Quantities) + 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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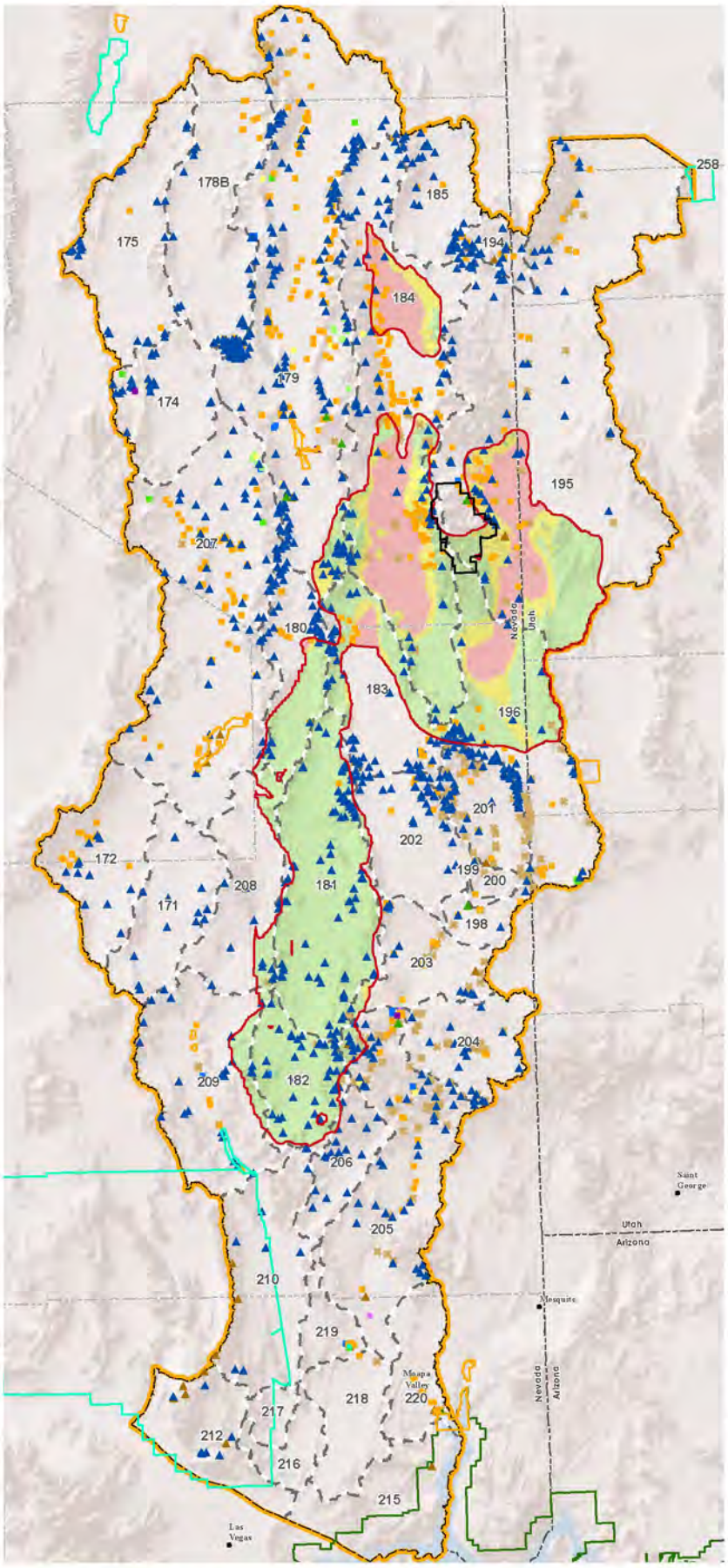

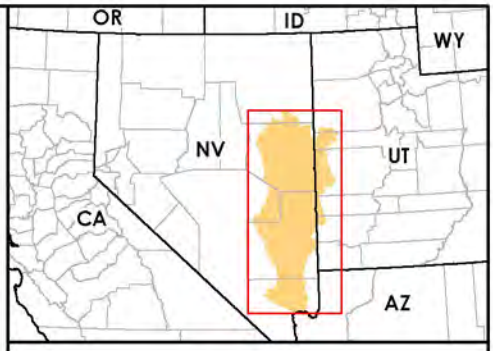

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-6
Potential Impacts to Surface Water Rights
Alt. A - (Distributed Pumping/Reduced Quantities) + 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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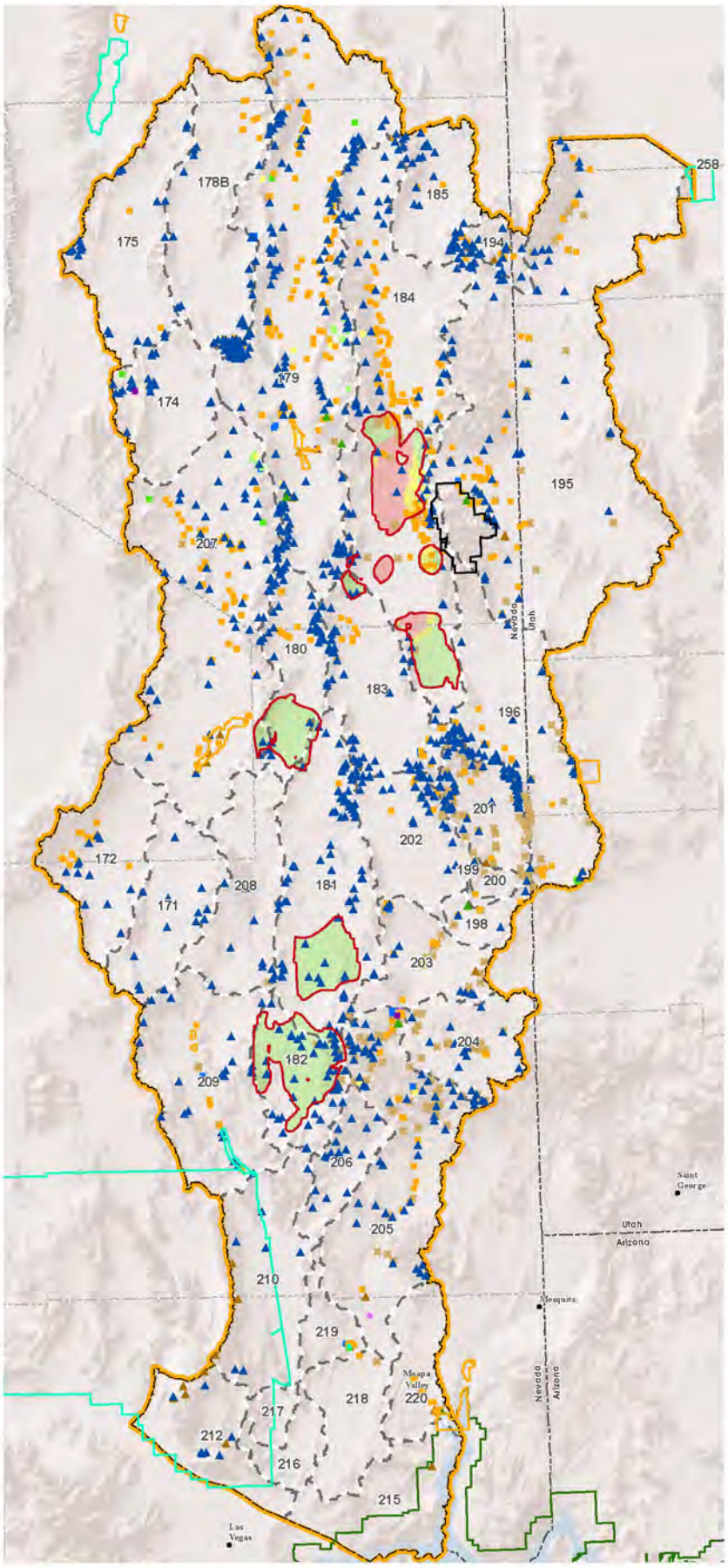

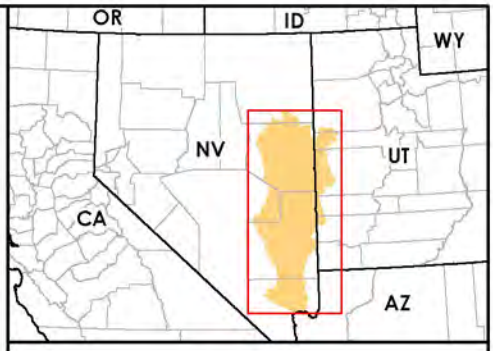

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-7
Potential Impacts to Surface Water Rights
Alt. B - (Points of Diversion)
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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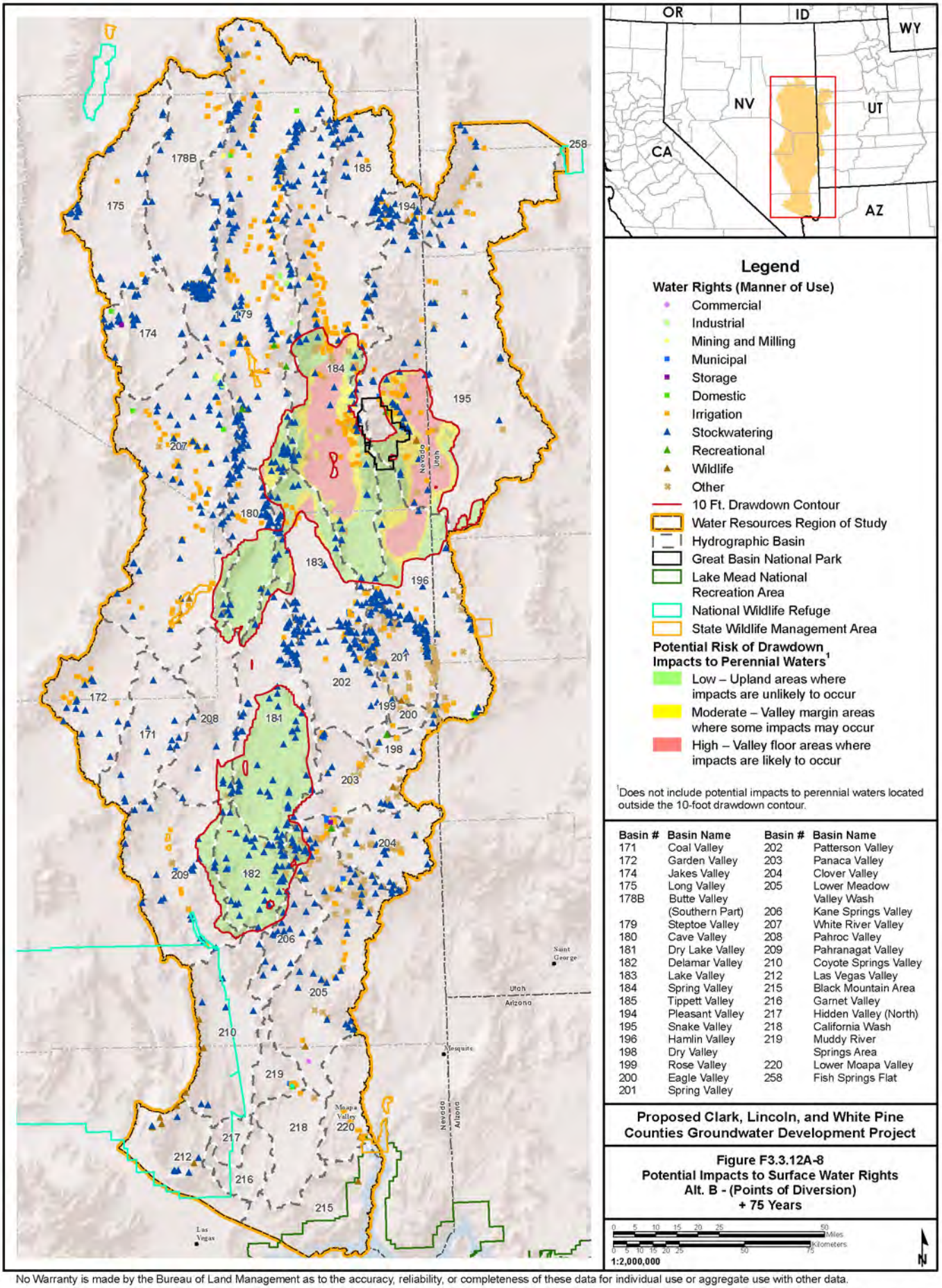

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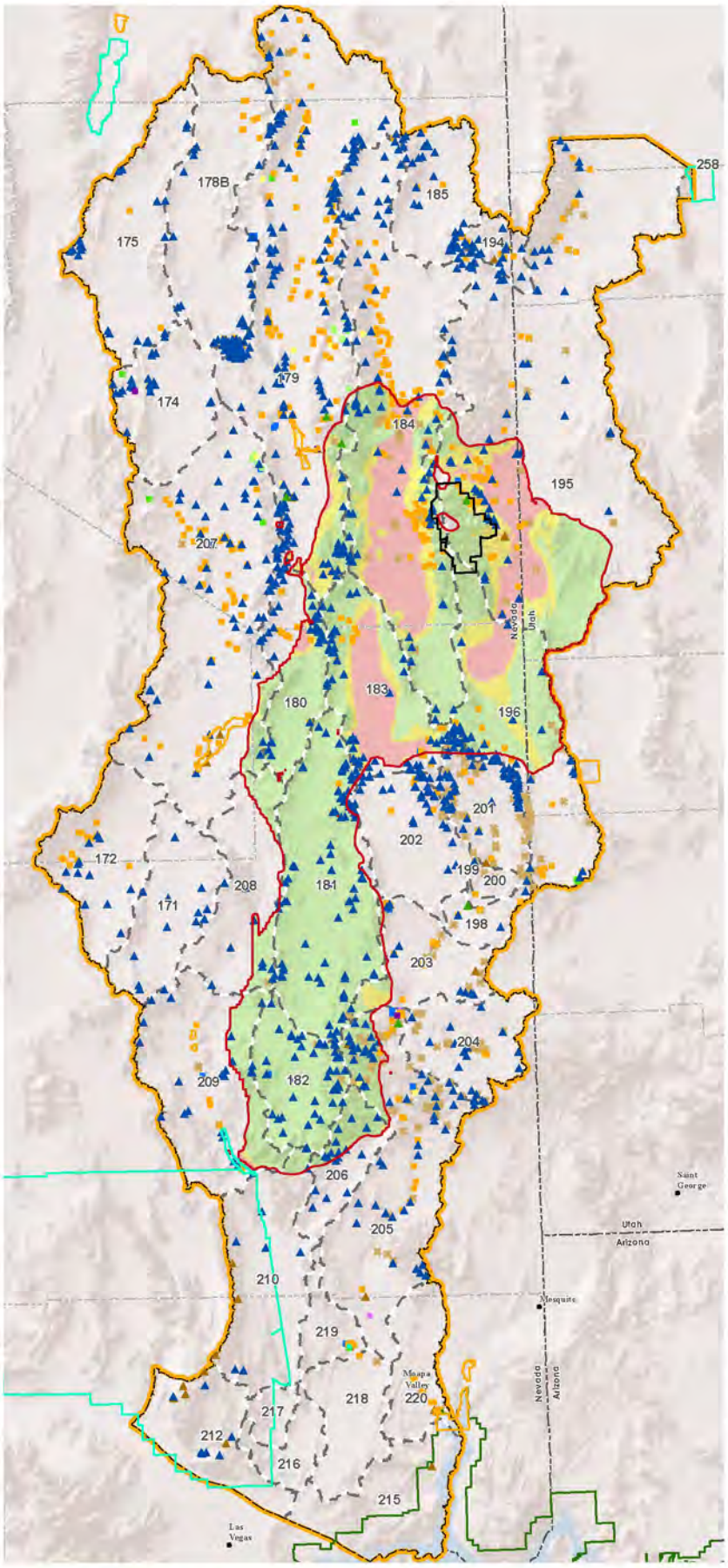

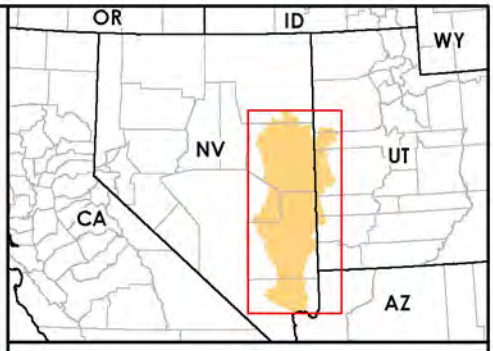

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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198	Dry Valley	220	Lower Moapa Valley
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200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-9
Potential Impacts to Surface Water Rights
Alt. B - (Points of Diversion)
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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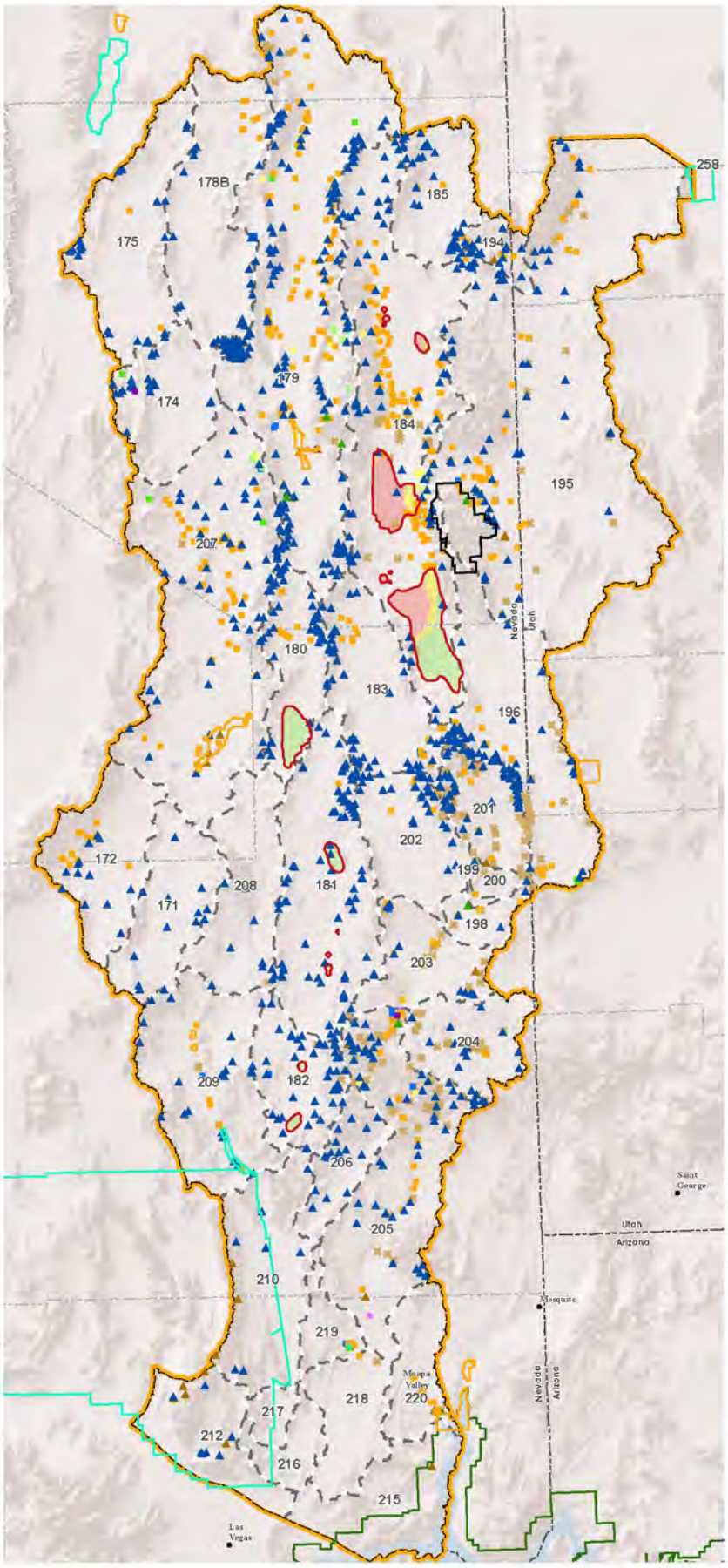

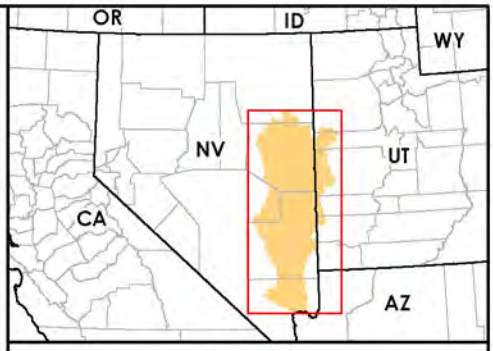

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other

- 10 Ft. Drawdown Contour
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201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-10
Potential Impacts to Surface Water Rights
Alt. C - (Intermittent Pumping)
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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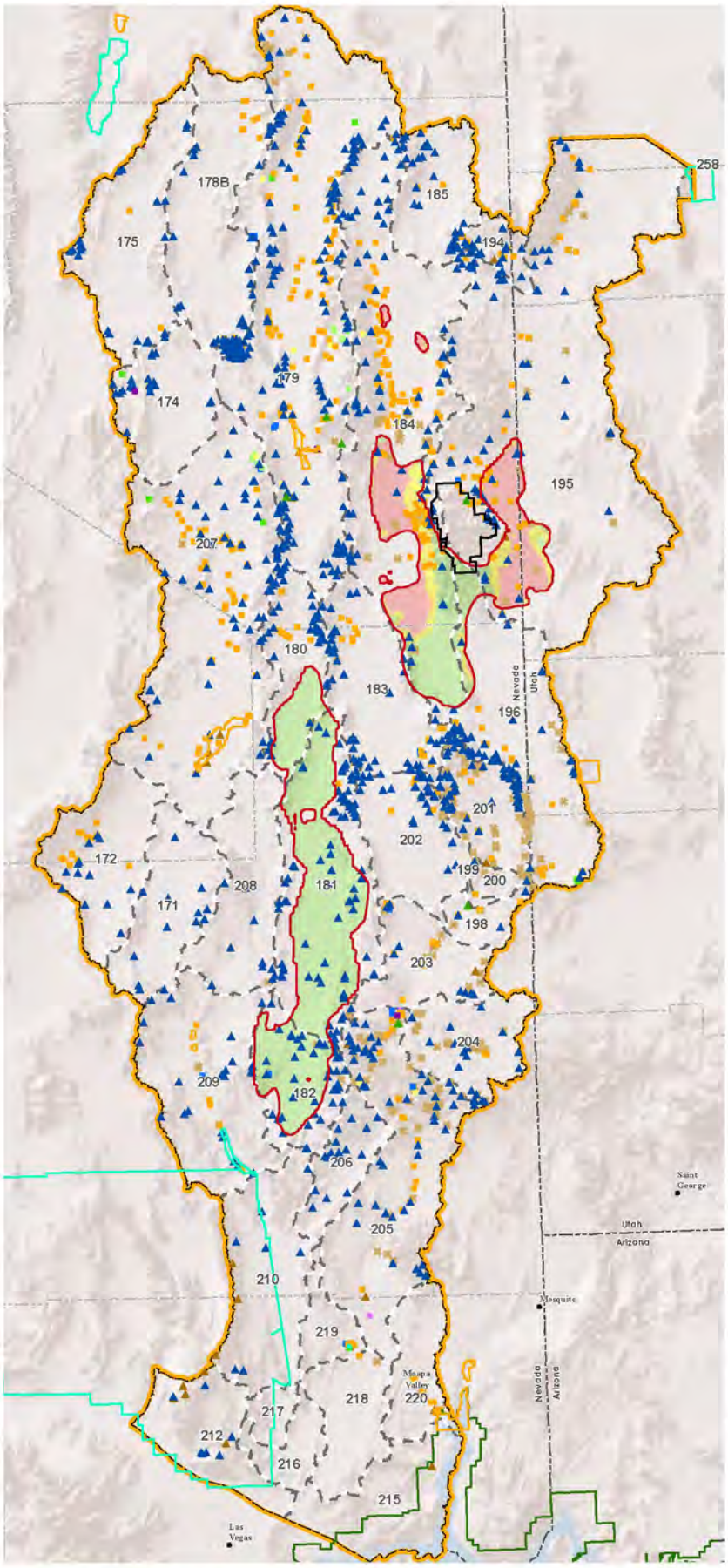

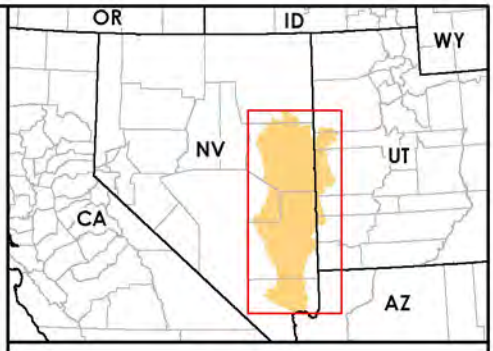

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-11
Potential Impacts to Surface Water Rights
Alt. C - (Intermittent Pumping)
+ 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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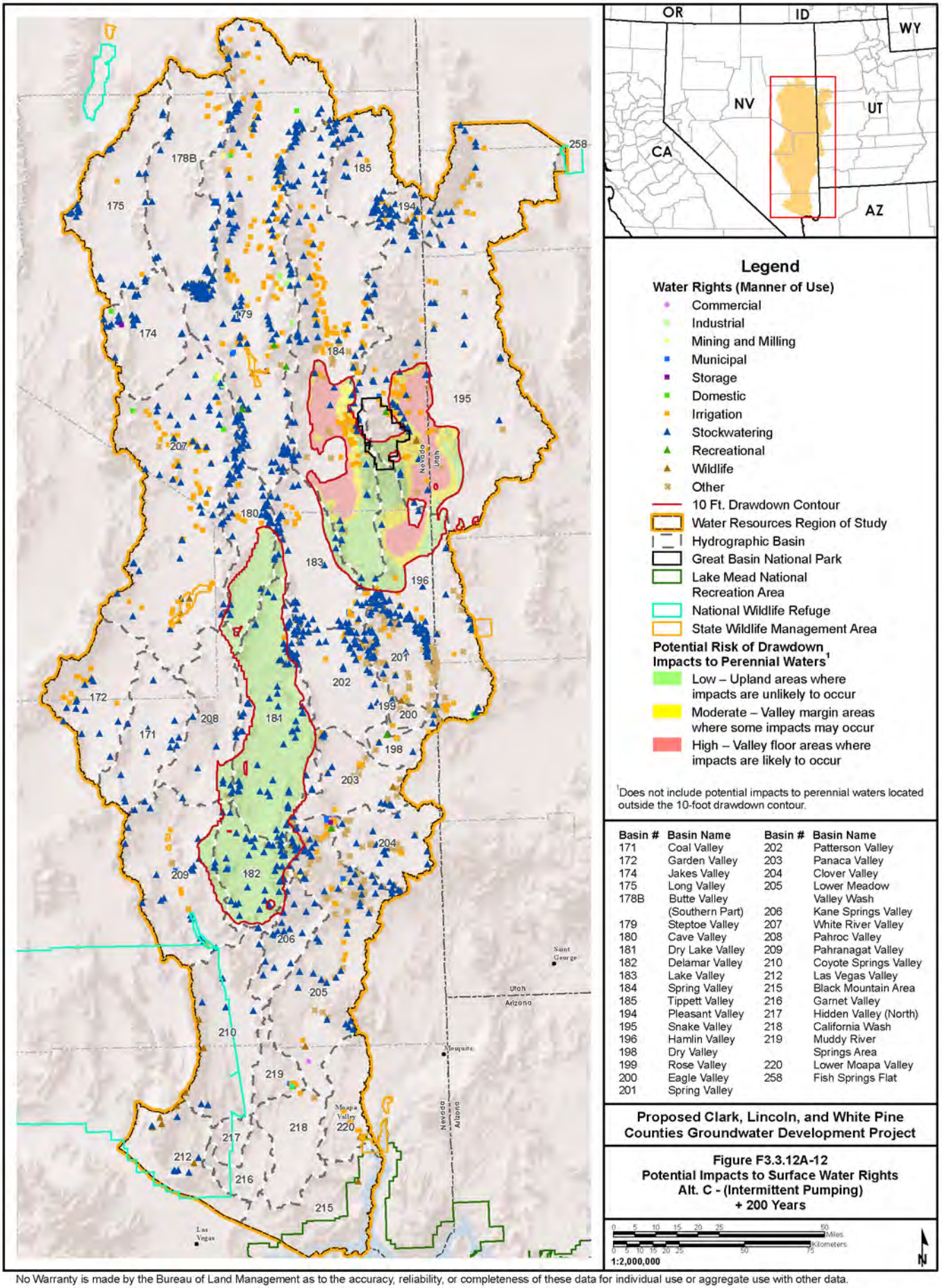

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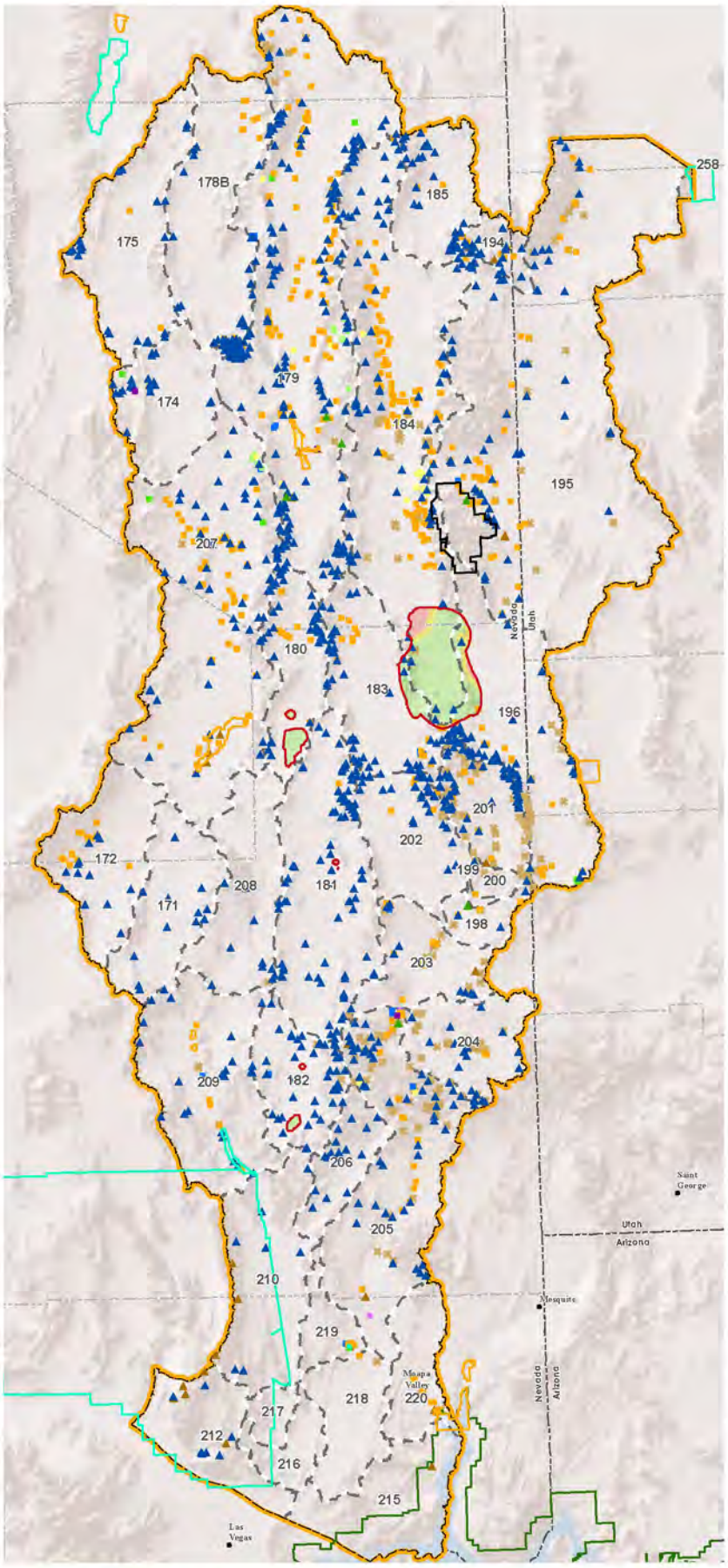

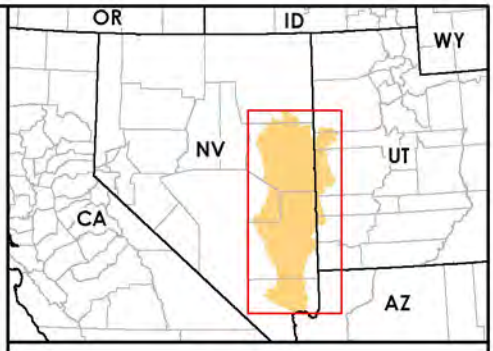

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
- Moderate – Valley margin areas where some impacts may occur
- High – Valley floor areas where impacts are likely to occur

[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-13
Potential Impacts to Surface Water Rights
Alt. D - (LCCRDA Distributed Pumping)
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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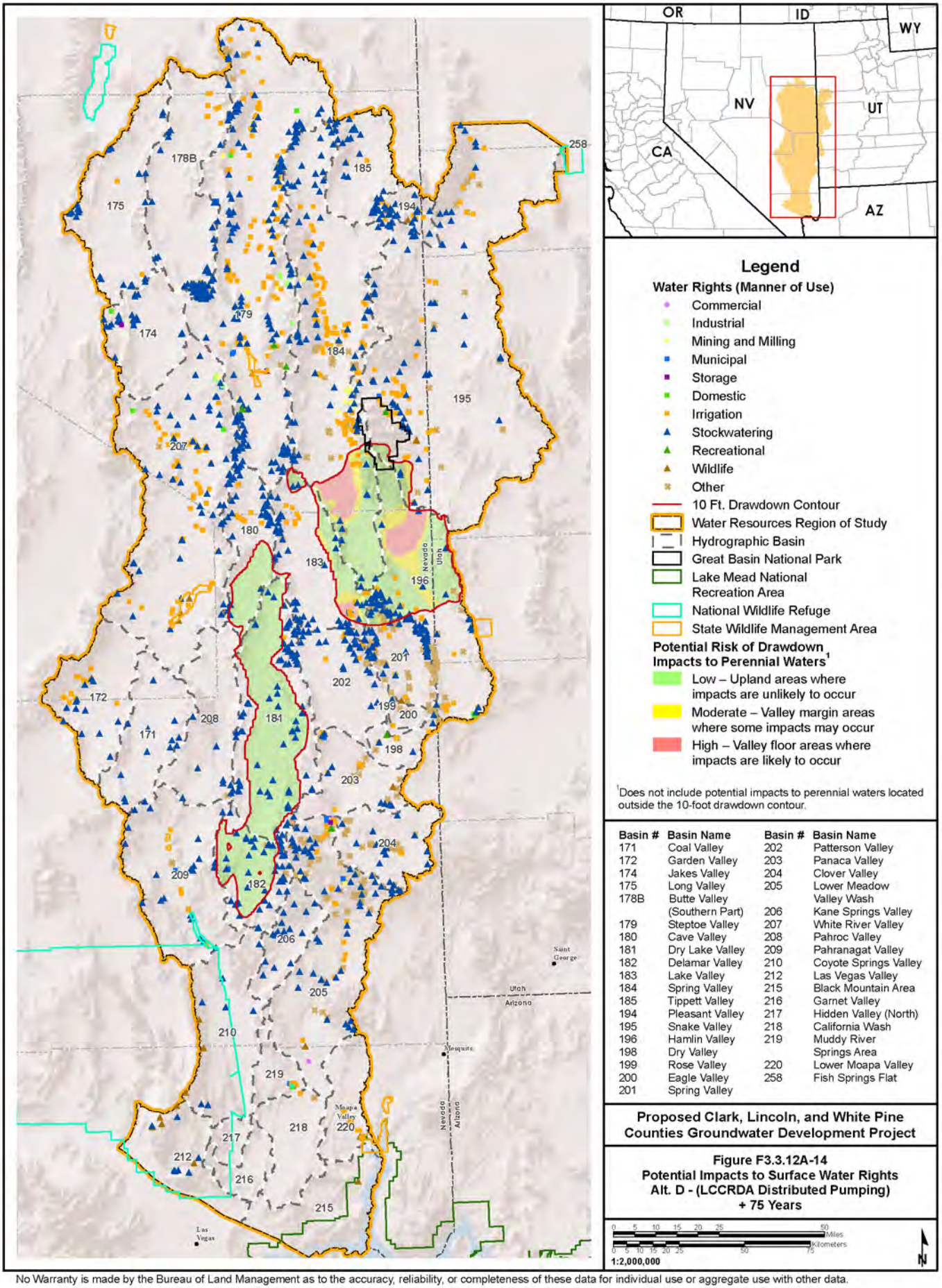

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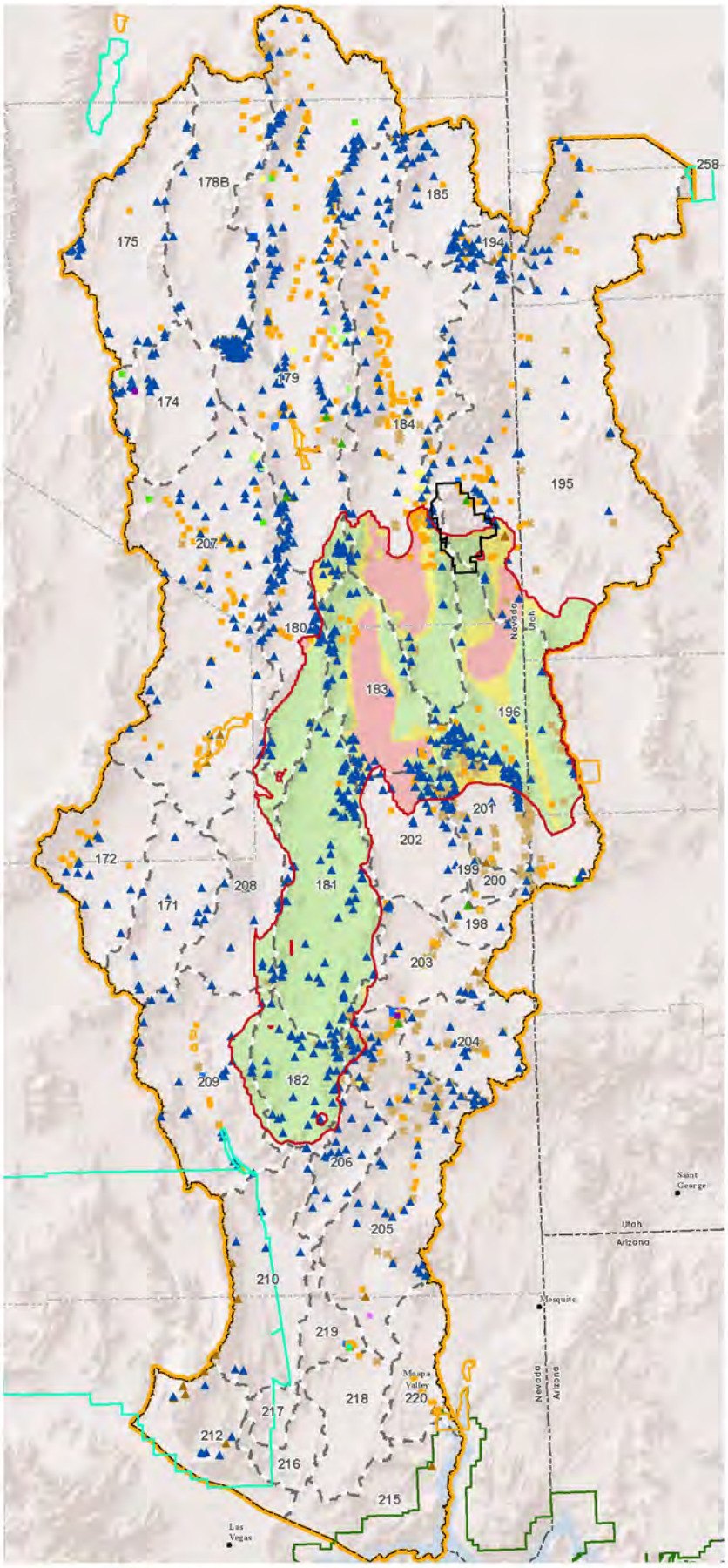

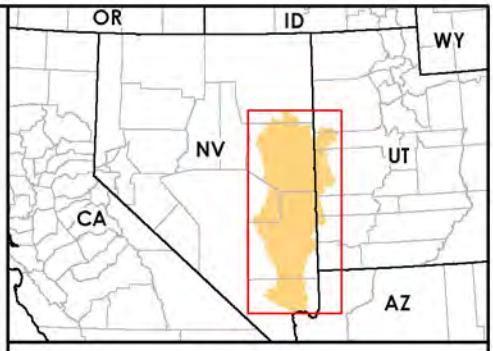

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
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- High – Valley floor areas where impacts are likely to occur

[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

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179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-15
Potential Impacts to Surface Water Rights
Alt. D - (LCCRDA Distributed Pumping)
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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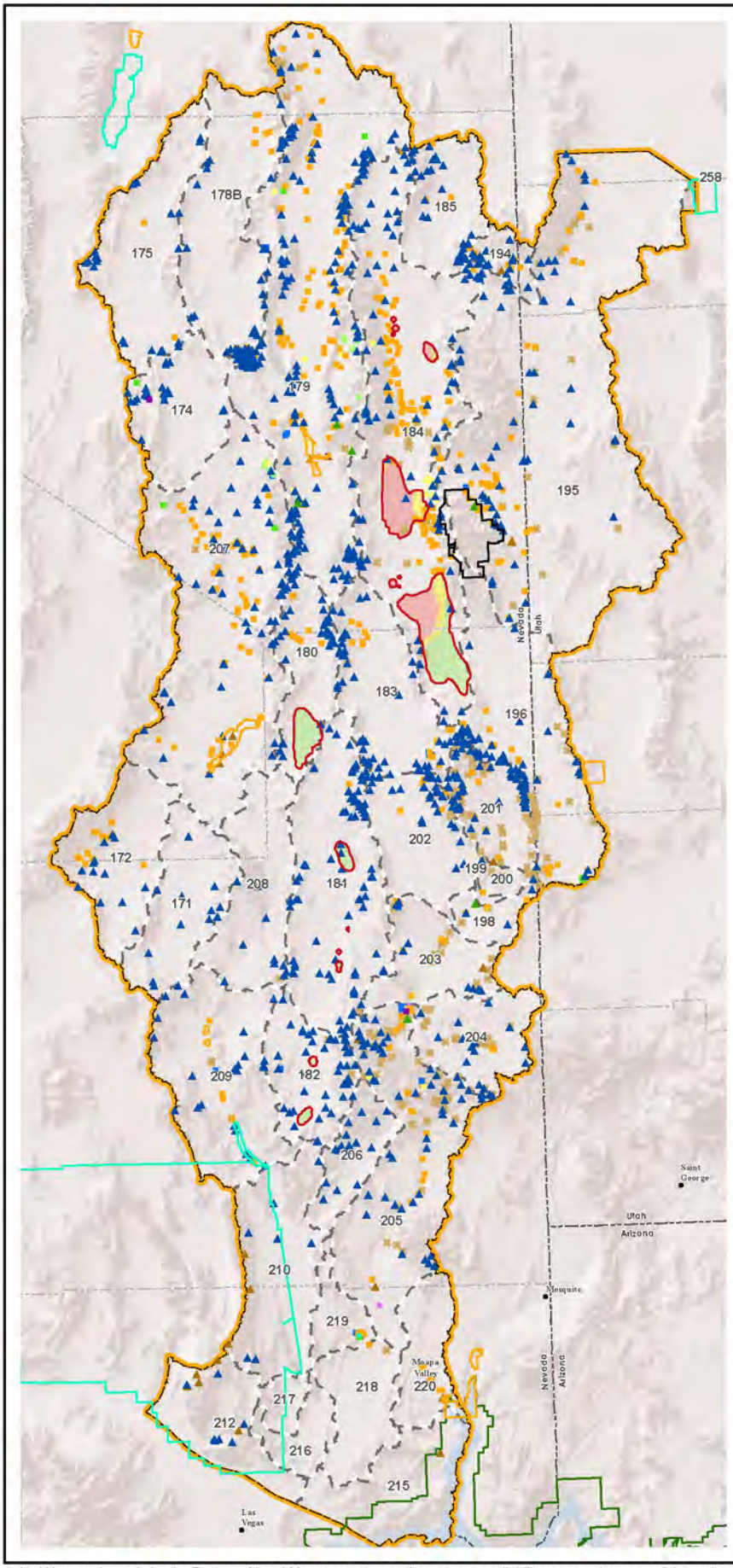

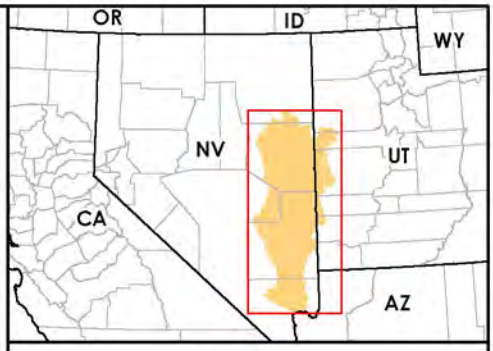

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-16
Potential Impacts to Surface Water Rights
Alt. E - (Spring, Delamar, Dry Lake and Cave Valleys)
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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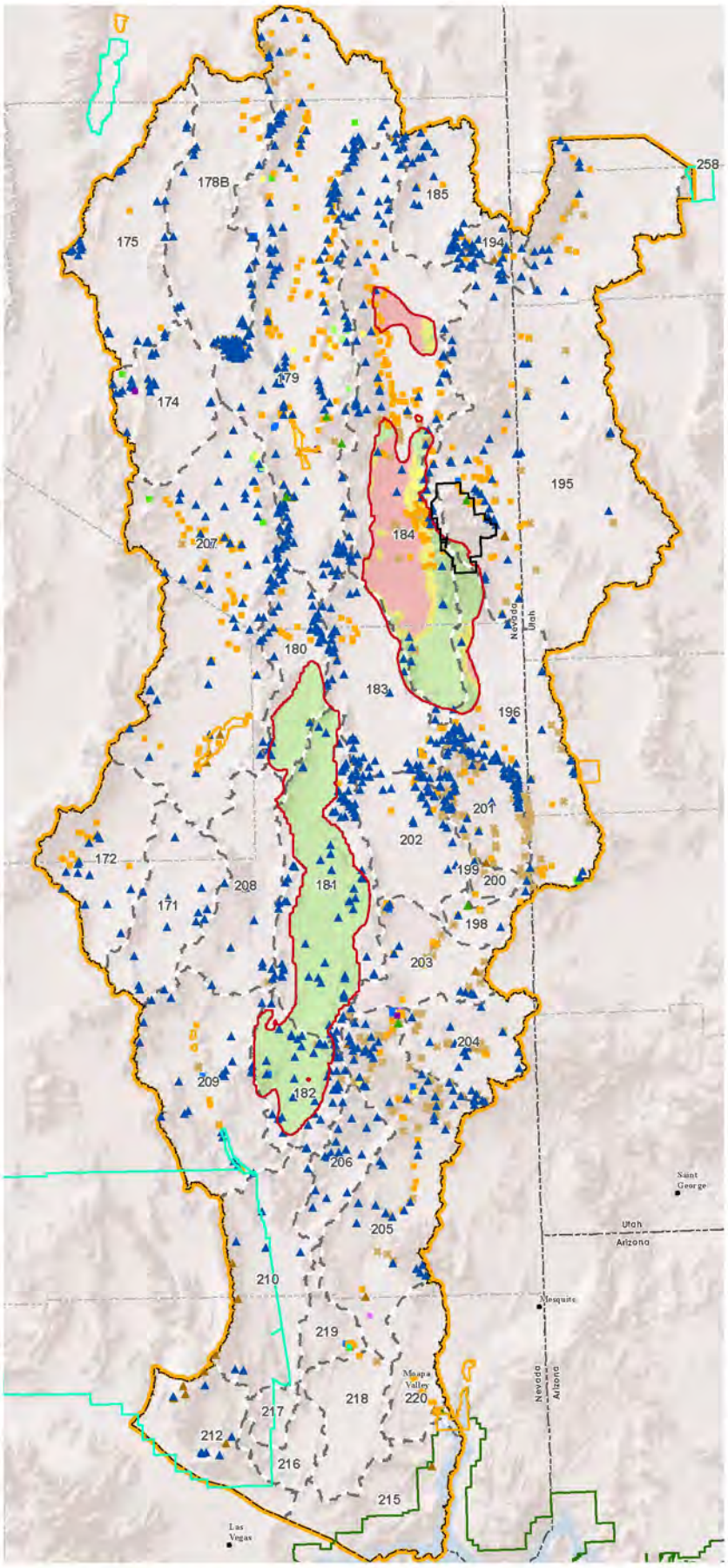

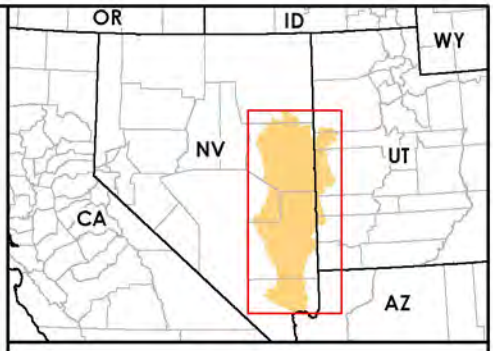

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-17
Potential Impacts to Surface Water Rights
Alt. E - (Spring, Delamar, Dry Lake and Cave Valleys) + 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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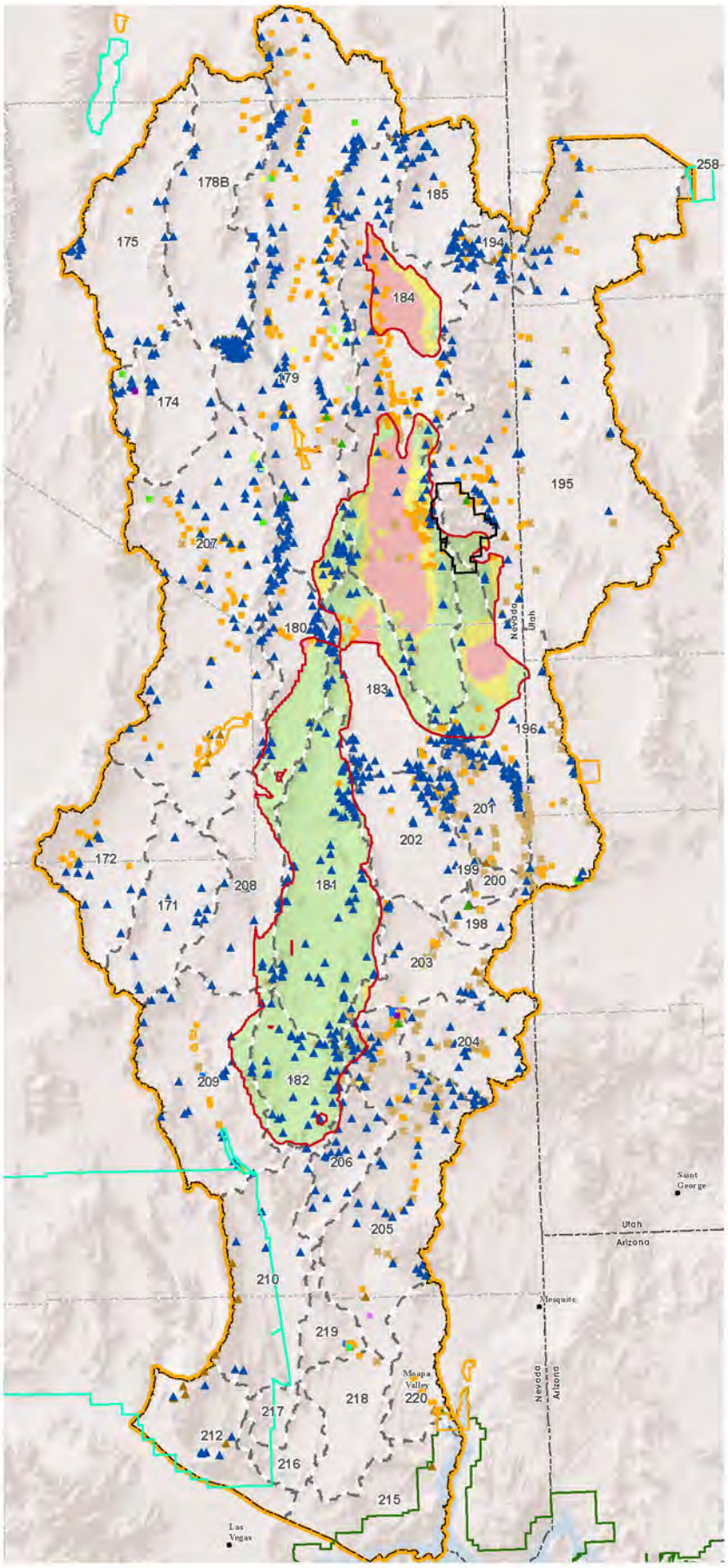

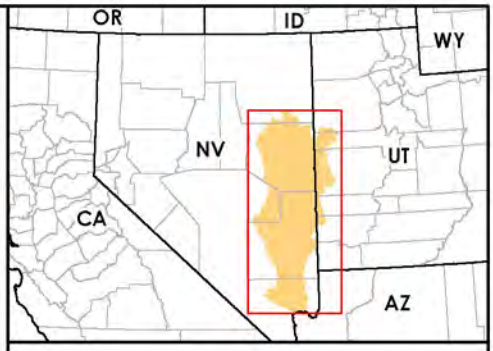

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-18
Potential Impacts to Surface Water Rights
Alt. E - (Spring, Delamar, Dry Lake and Cave Valleys) + 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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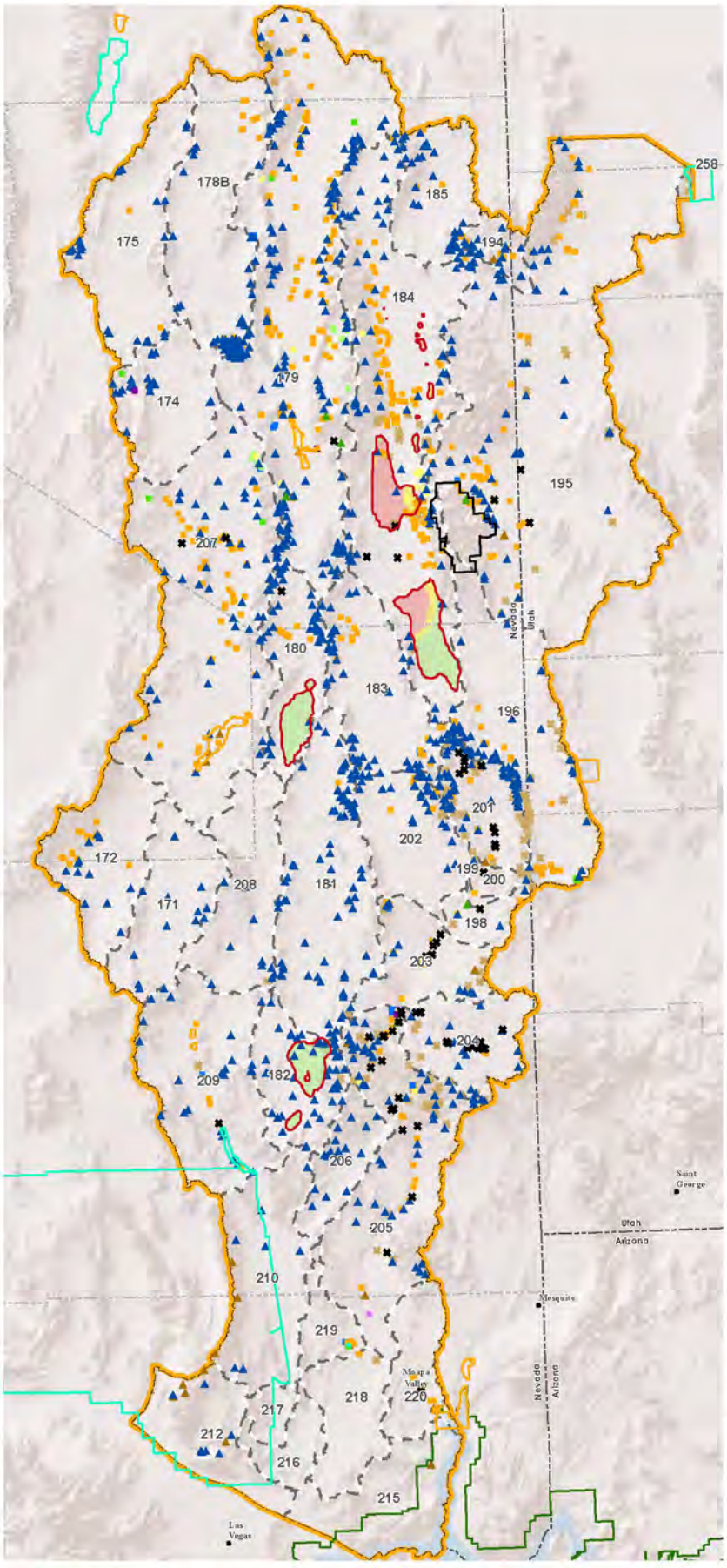

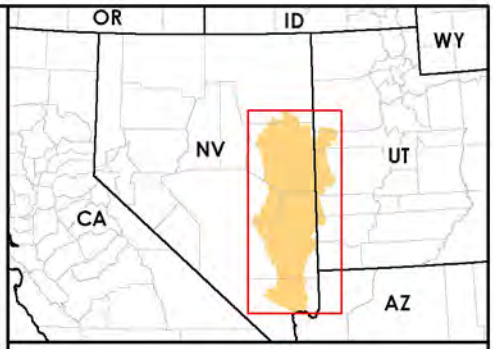

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- Unknown
- 10 Ft. Drawdown Contour
- Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-19
Potential Impacts to Surface Water Rights
Alt. F - (SDDC Pumping)
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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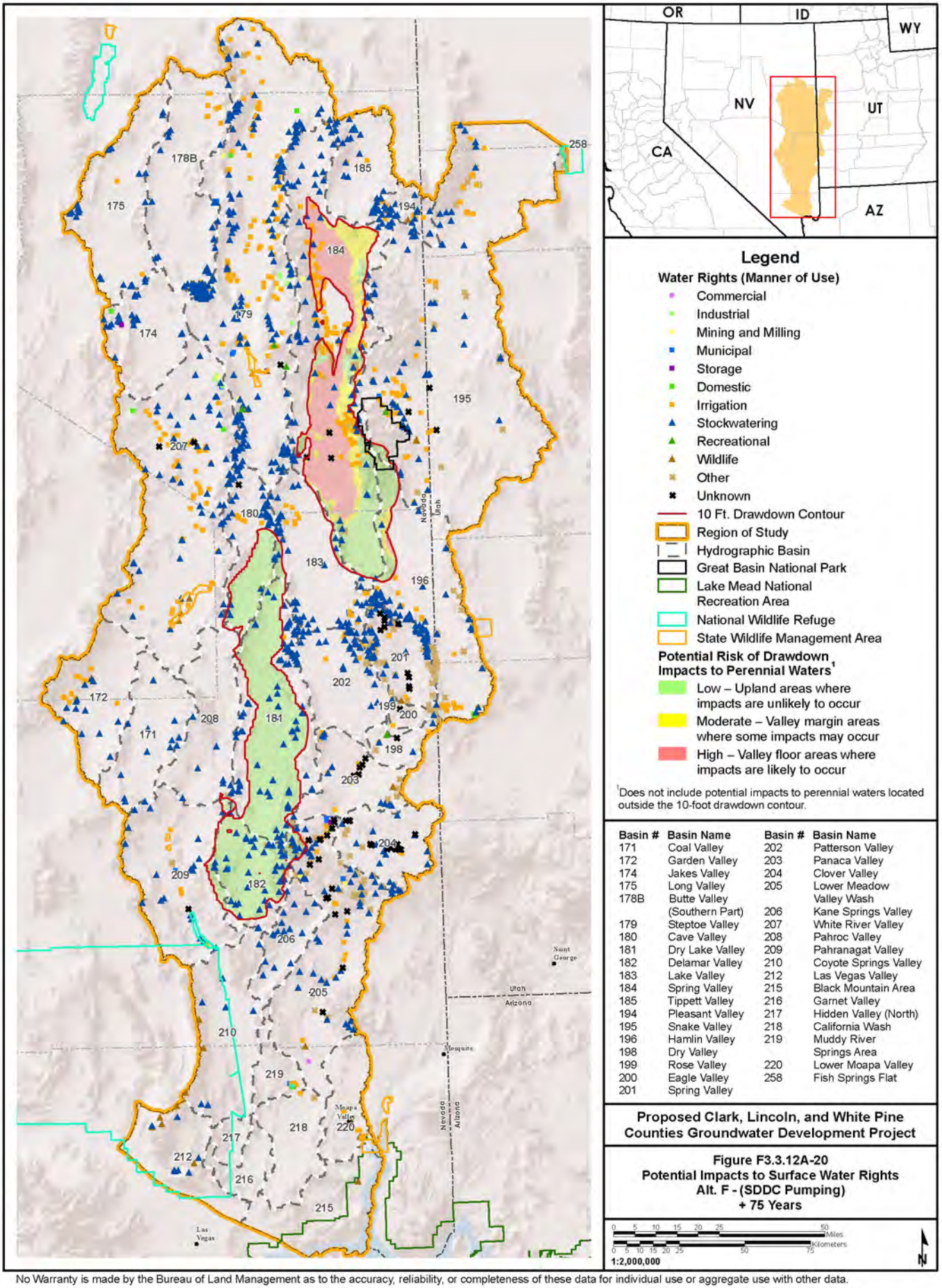

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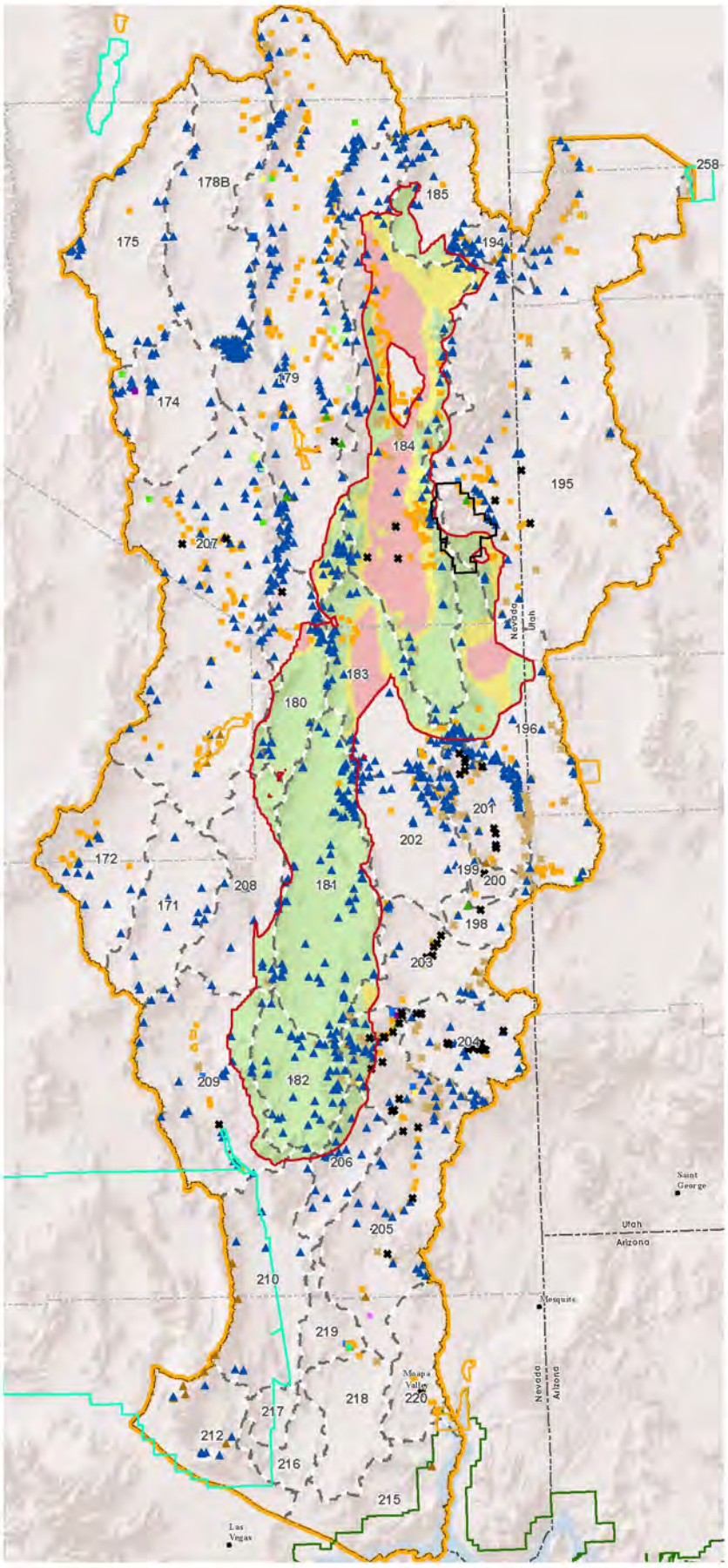

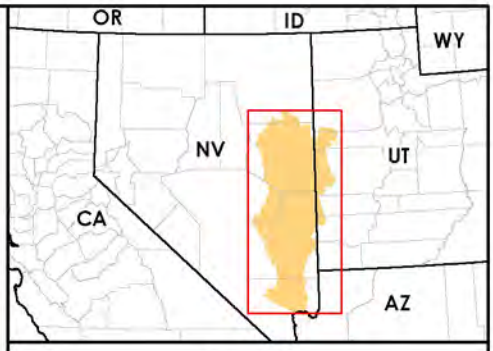

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- Unknown
- 10 Ft. Drawdown Contour
- Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-21
Potential Impacts to Surface Water Rights
Alt. F - (SDDC Pumping)
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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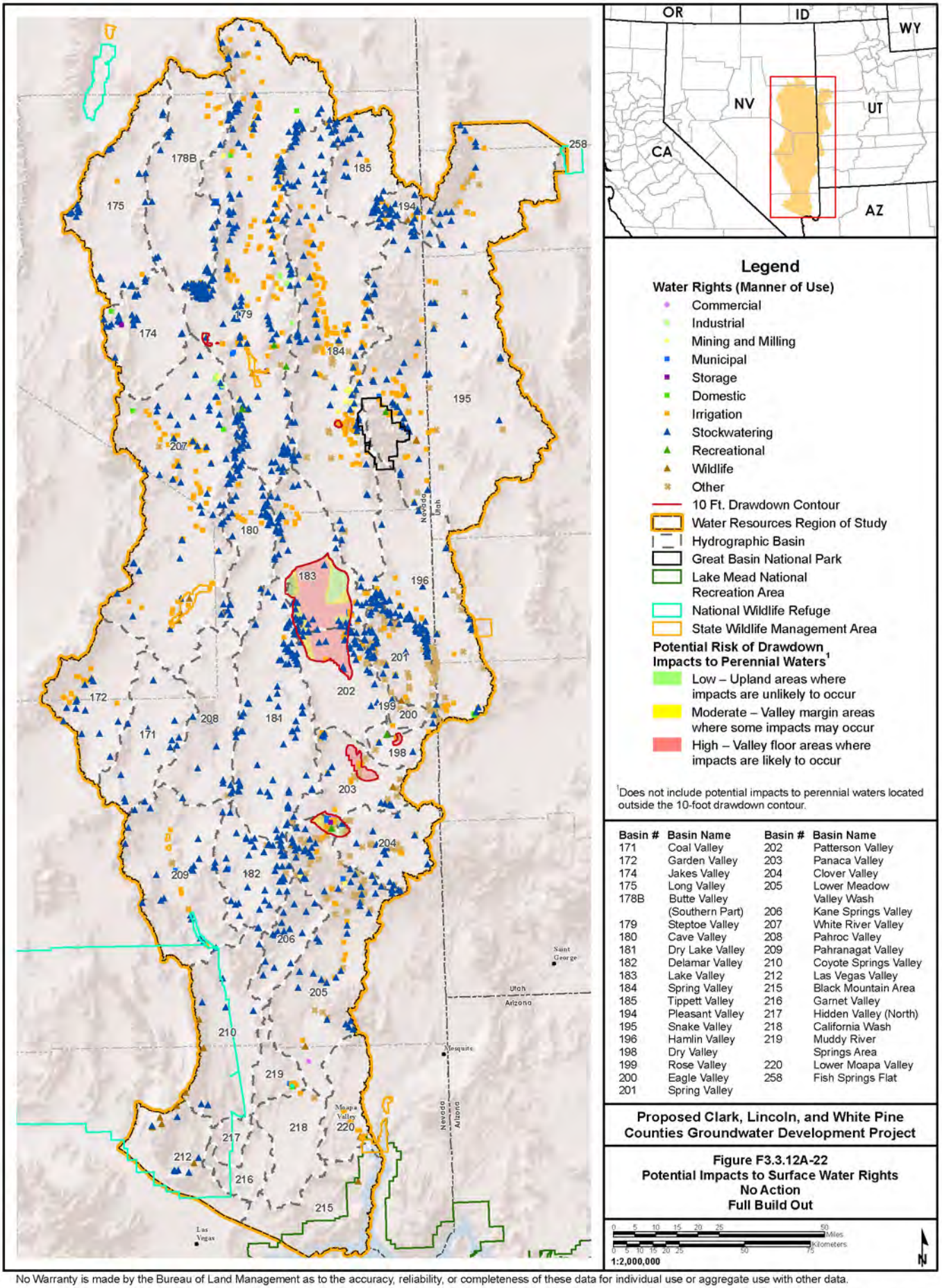

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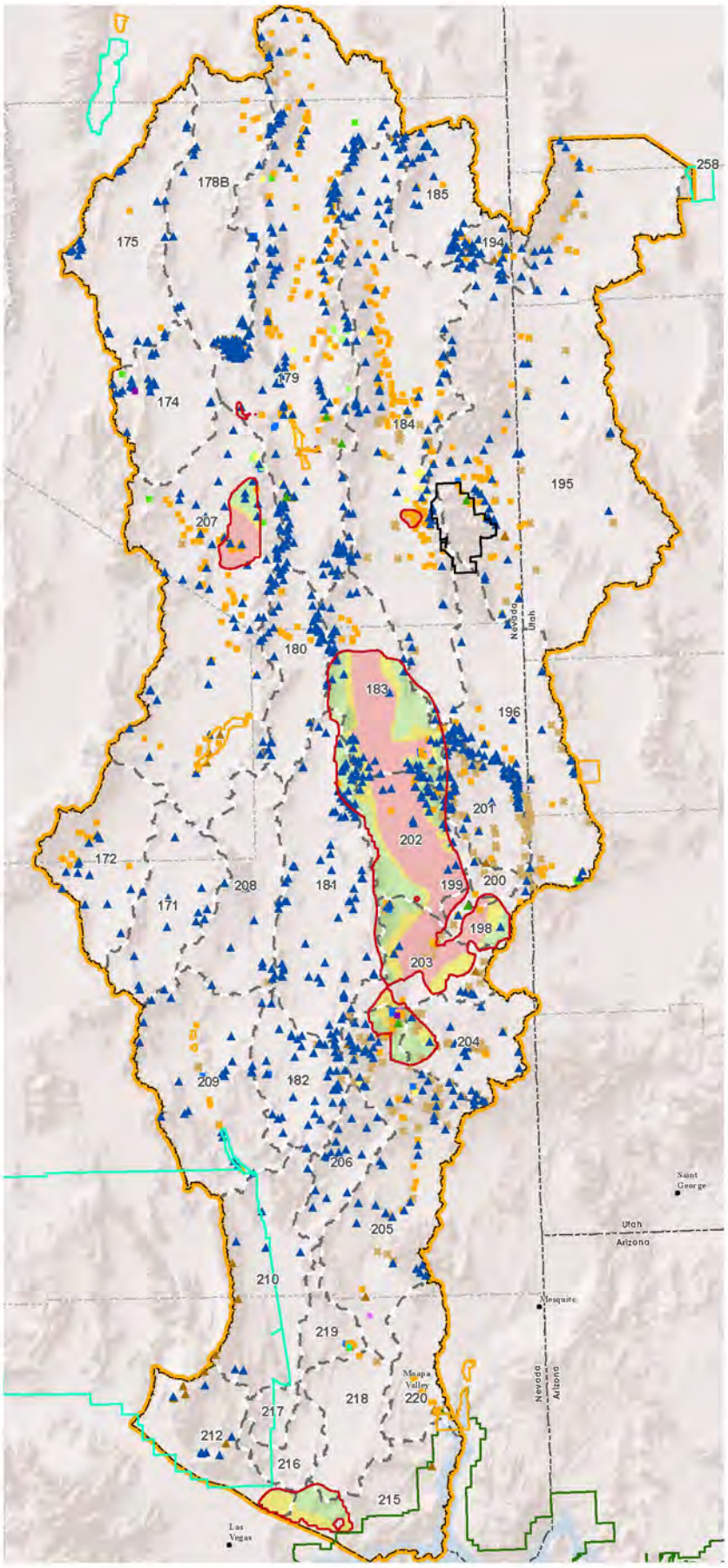

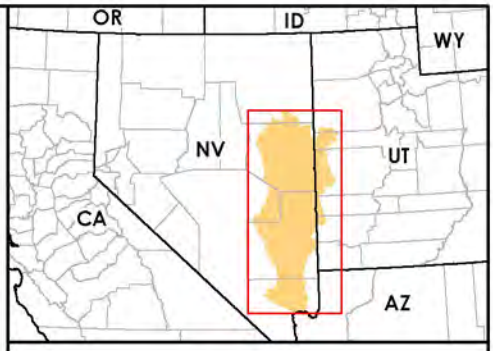

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12A-23
Potential Impacts to Surface Water Rights
No Action
+ 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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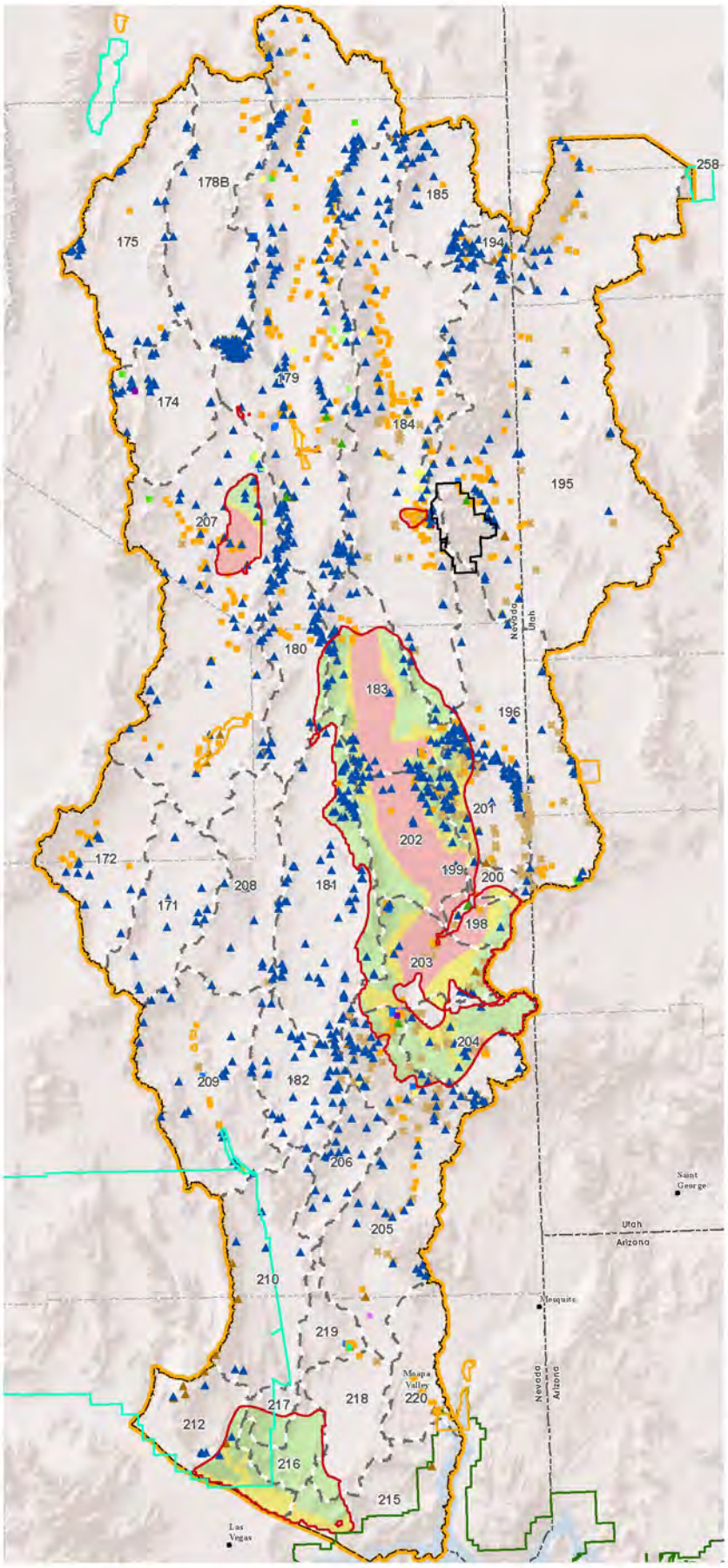

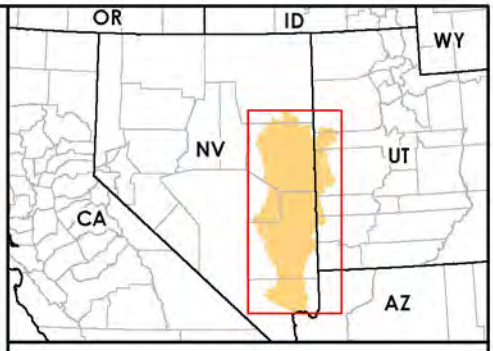

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
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179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

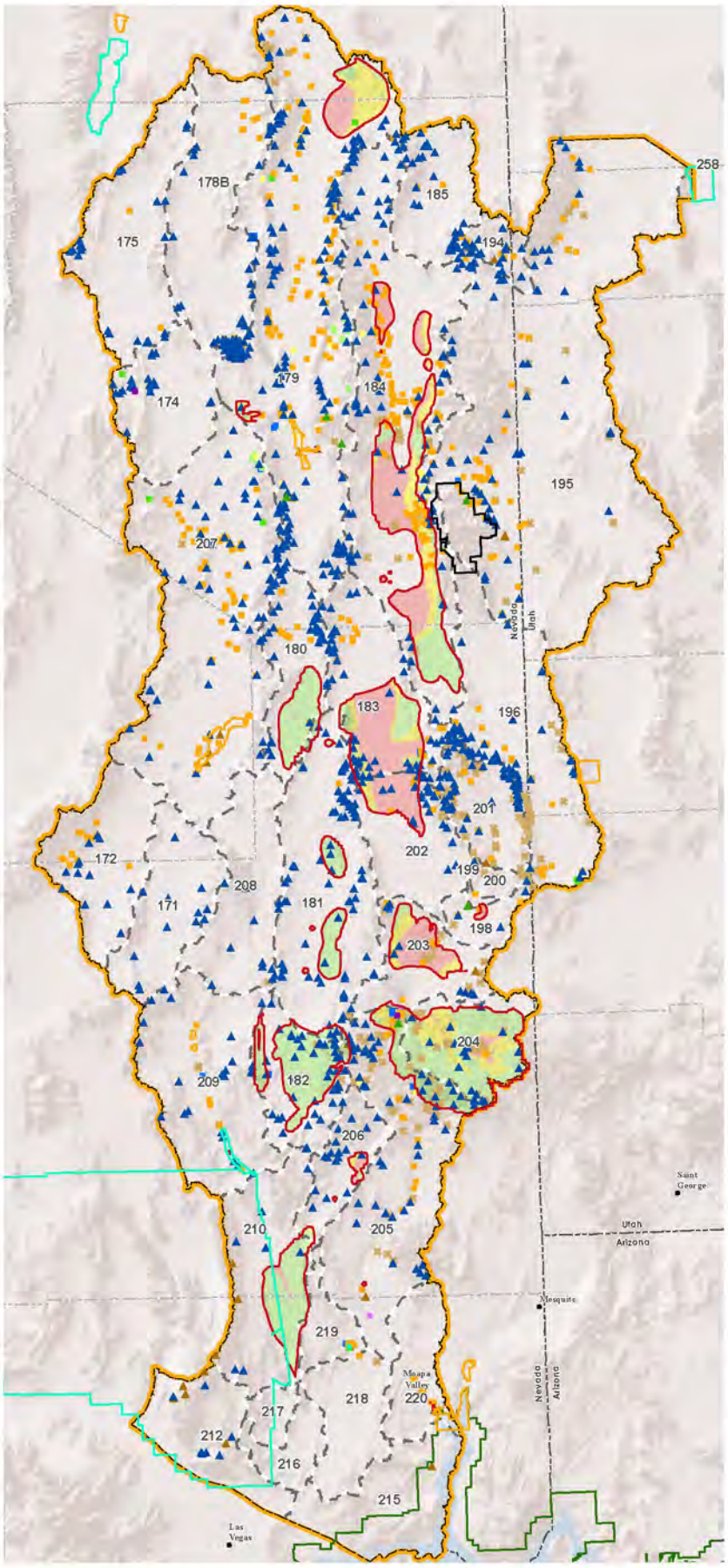
Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

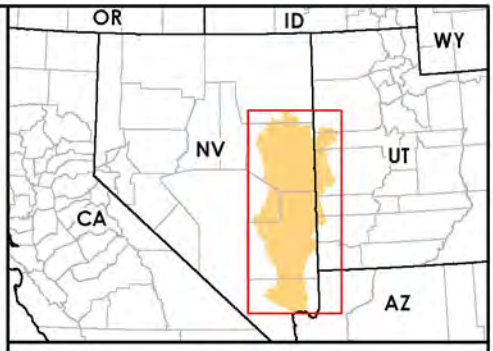
Figure F3.3.12A-24
Potential Impacts to Surface Water Rights
No Action
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.





Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
- Moderate – Valley margin areas where some impacts may occur
- High – Valley floor areas where impacts are likely to occur

[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
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184	Spring Valley	215	Black Mountain Area
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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-1
Potential Impacts to Surface Water Rights
Proposed Action Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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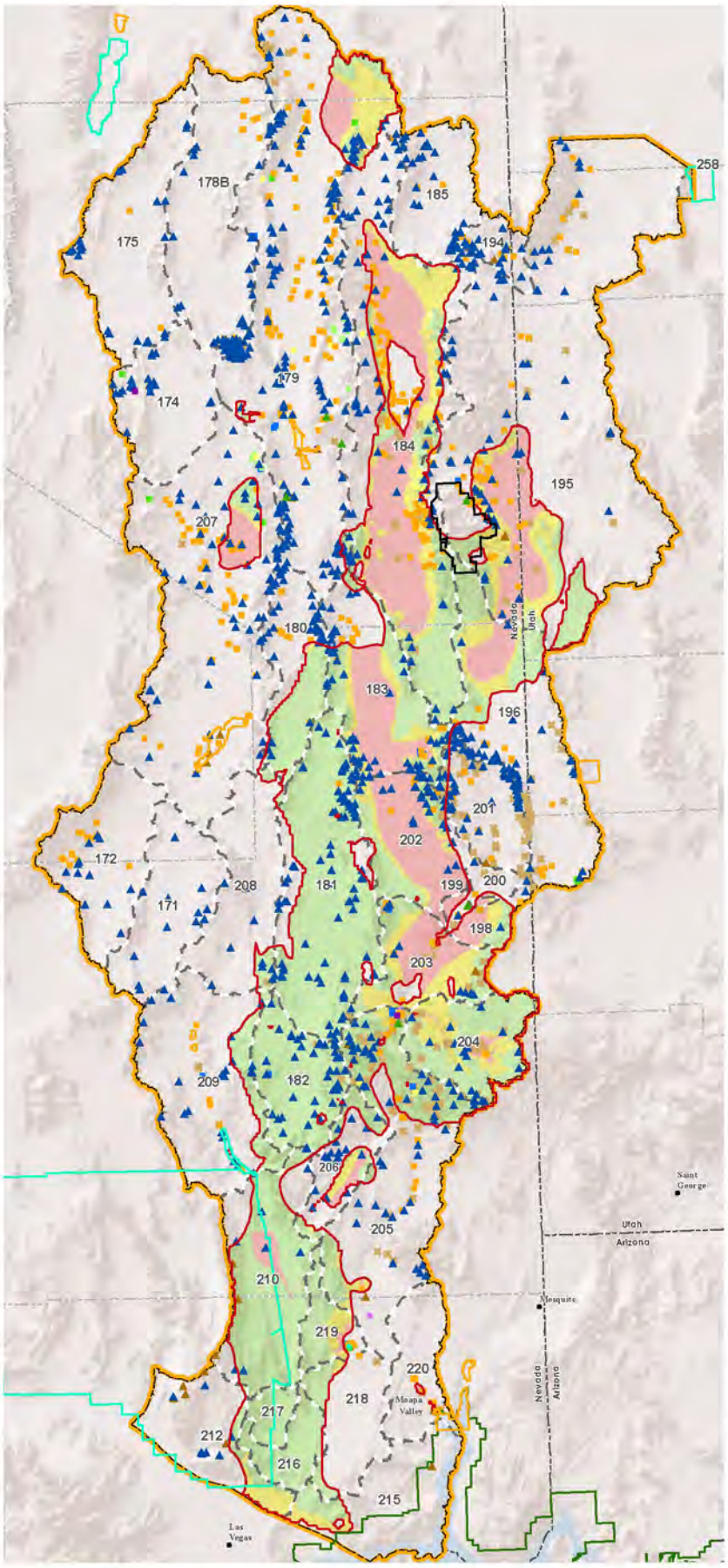

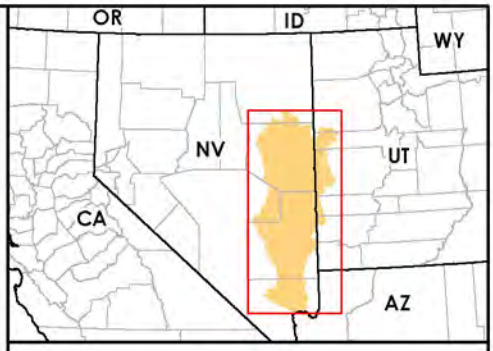

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other

- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-2
Potential Impacts to Surface Water Rights
Proposed Action Cumulative Effects
+ 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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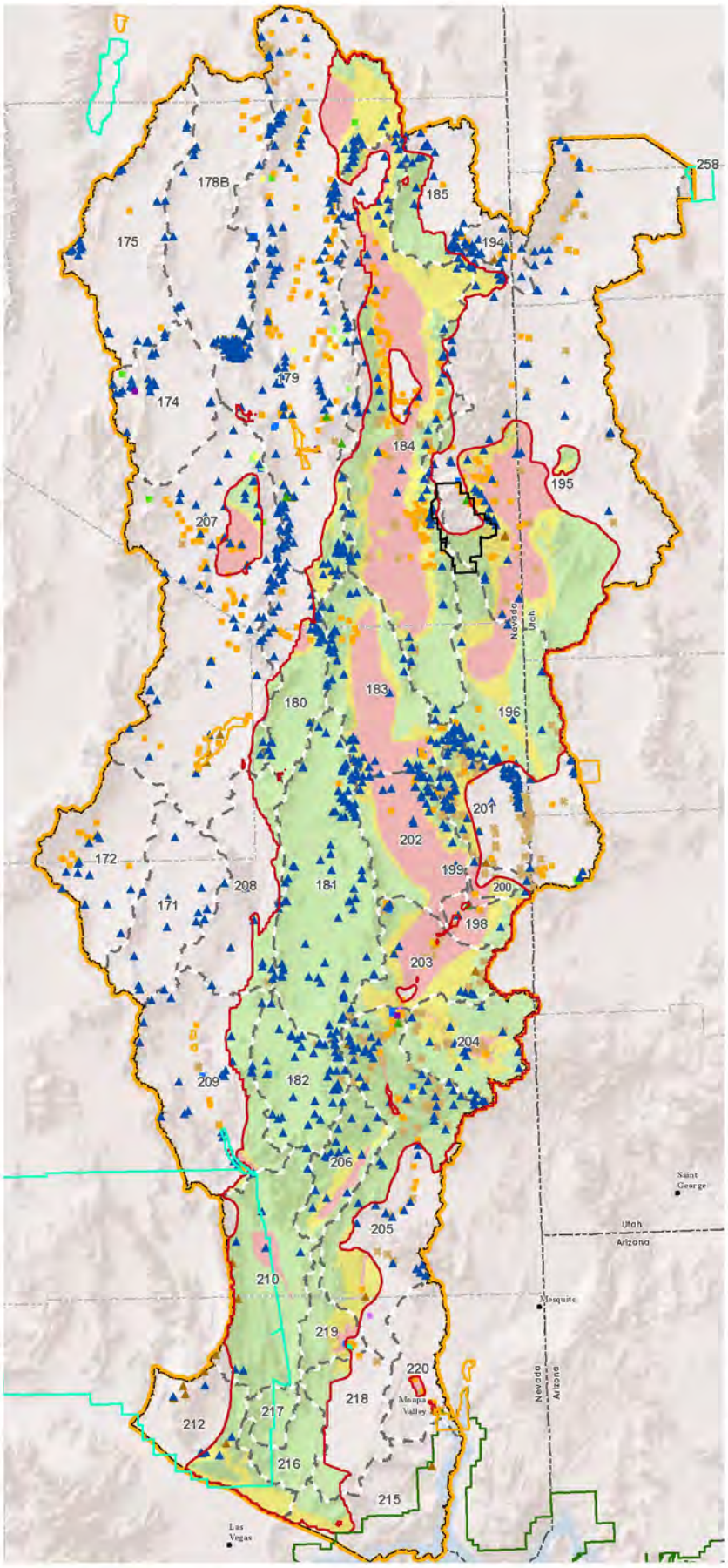

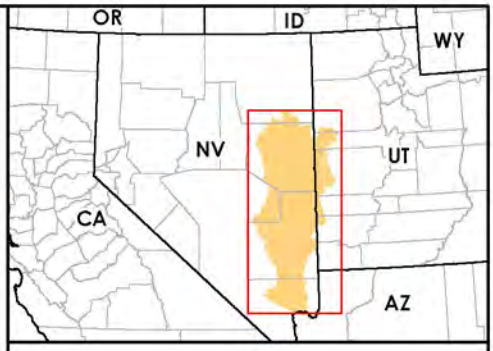

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-3
Potential Impacts to Surface Water Rights
Proposed Action Cumulative Effects
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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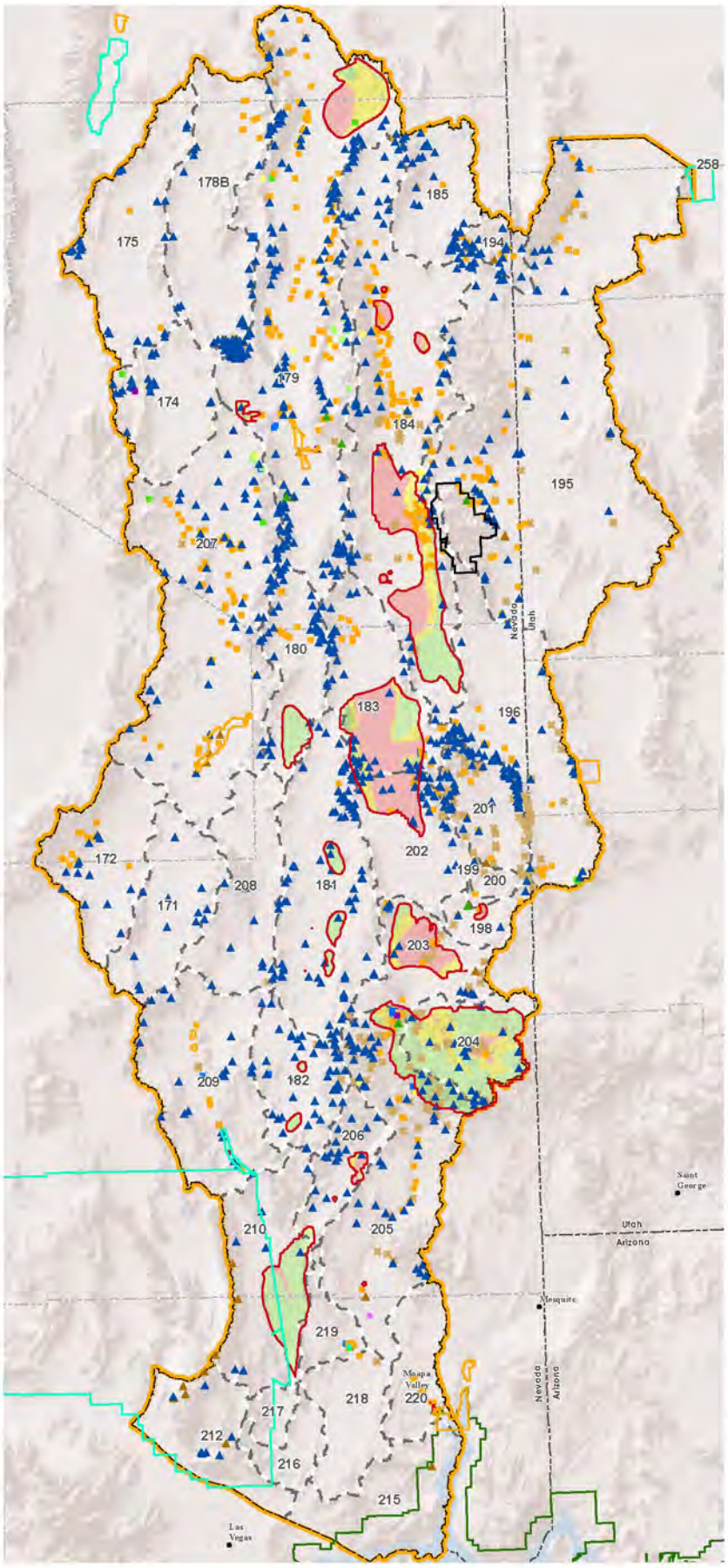

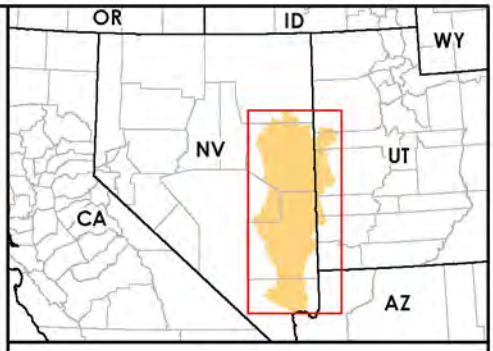

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other

- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
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[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

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179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
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184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-4
Potential Impacts to Surface Water Rights
Alt. A - (Distributed Pumping) Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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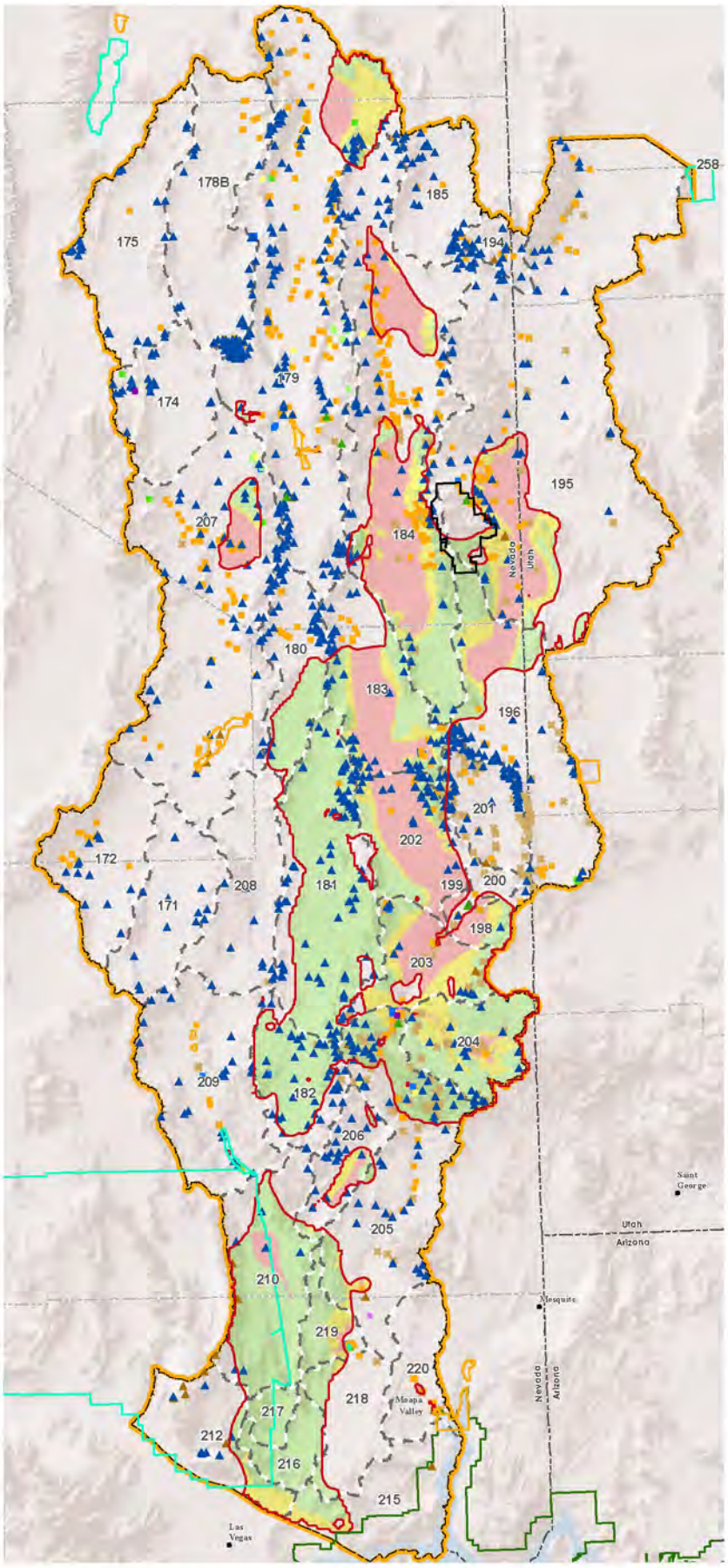

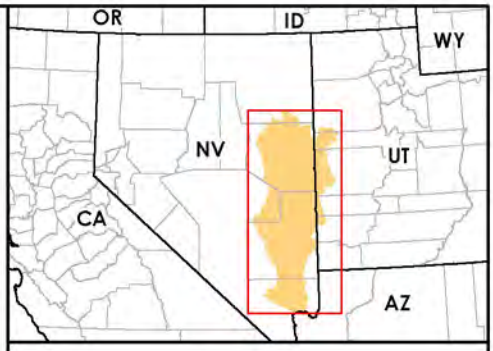

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
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- High – Valley floor areas where impacts are likely to occur

[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

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179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-5
Potential Impacts to Surface Water Rights
Alt. A - (Distributed Pumping) Cumulative Effects + 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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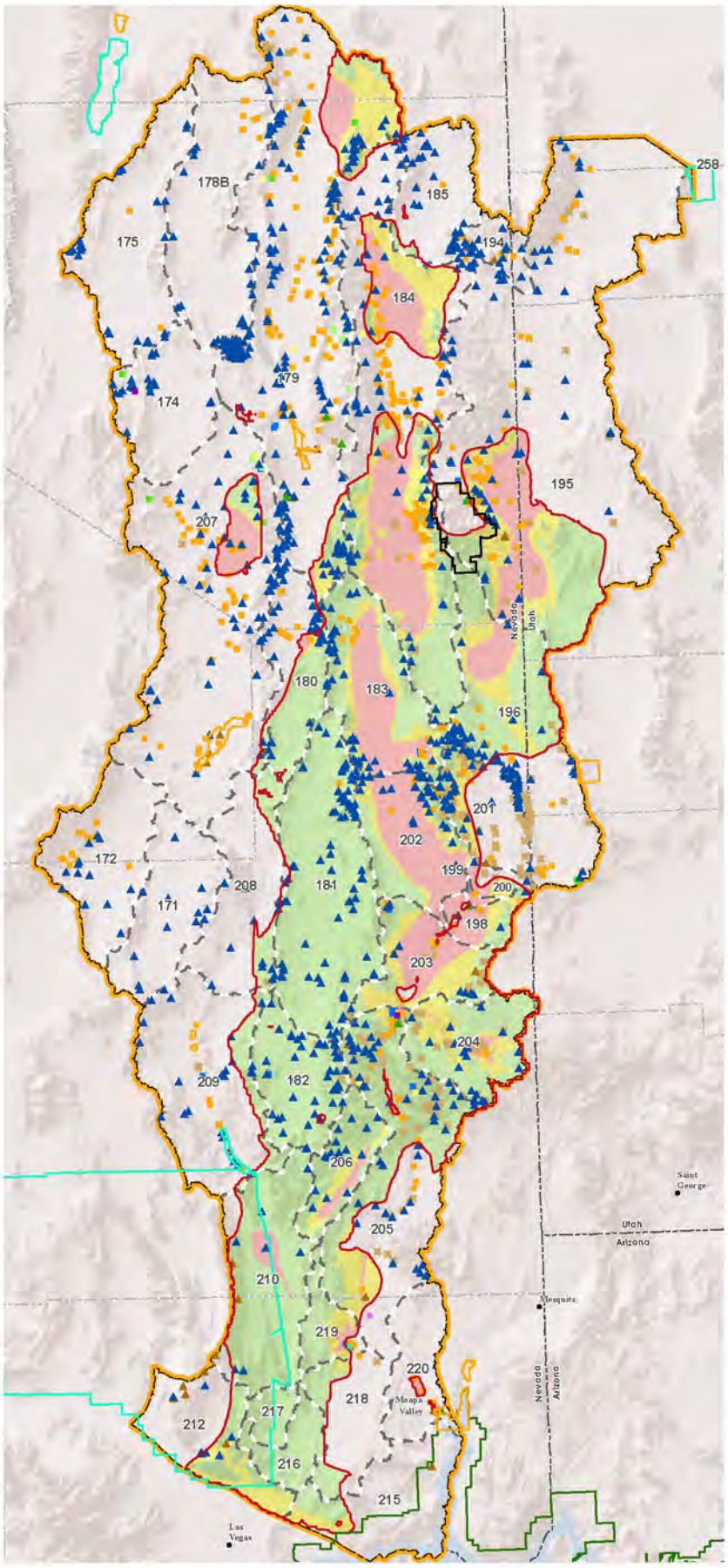

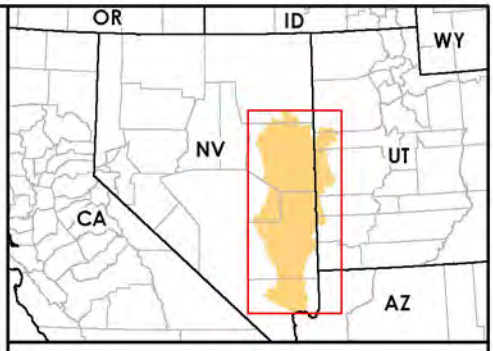

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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180	Cave Valley	208	Pahroc Valley
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182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-6
Potential Impacts to Surface Water Rights
Alt. A - (Distributed Pumping) Cumulative Effects + 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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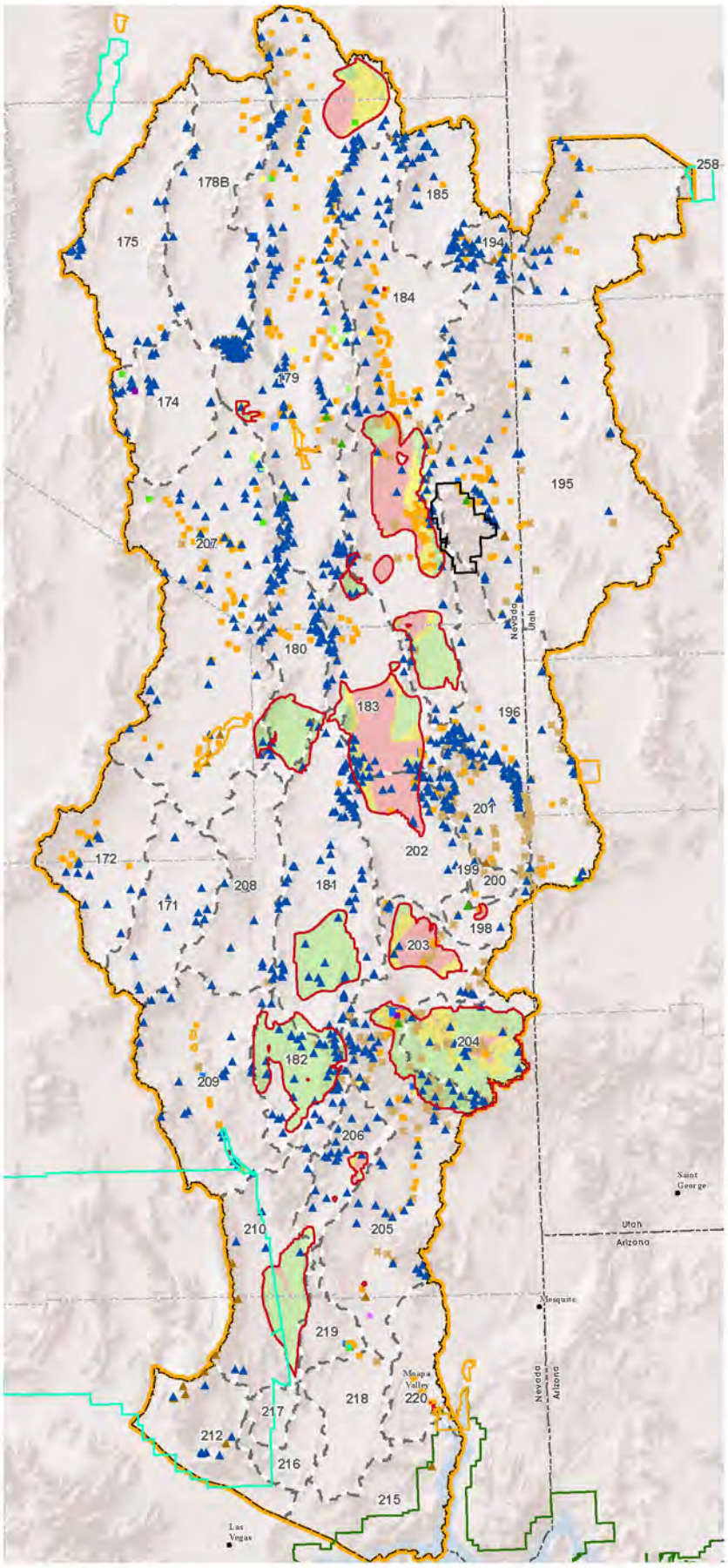

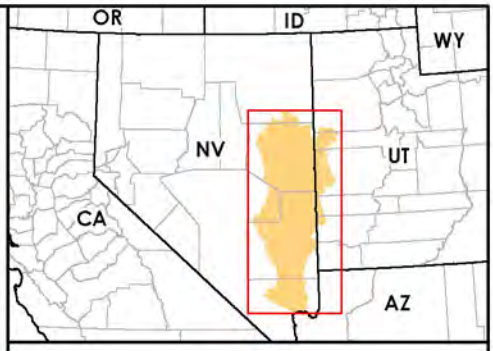

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-7
Potential Impacts to Surface Water Rights
Alt. B - (Points of Diversion) Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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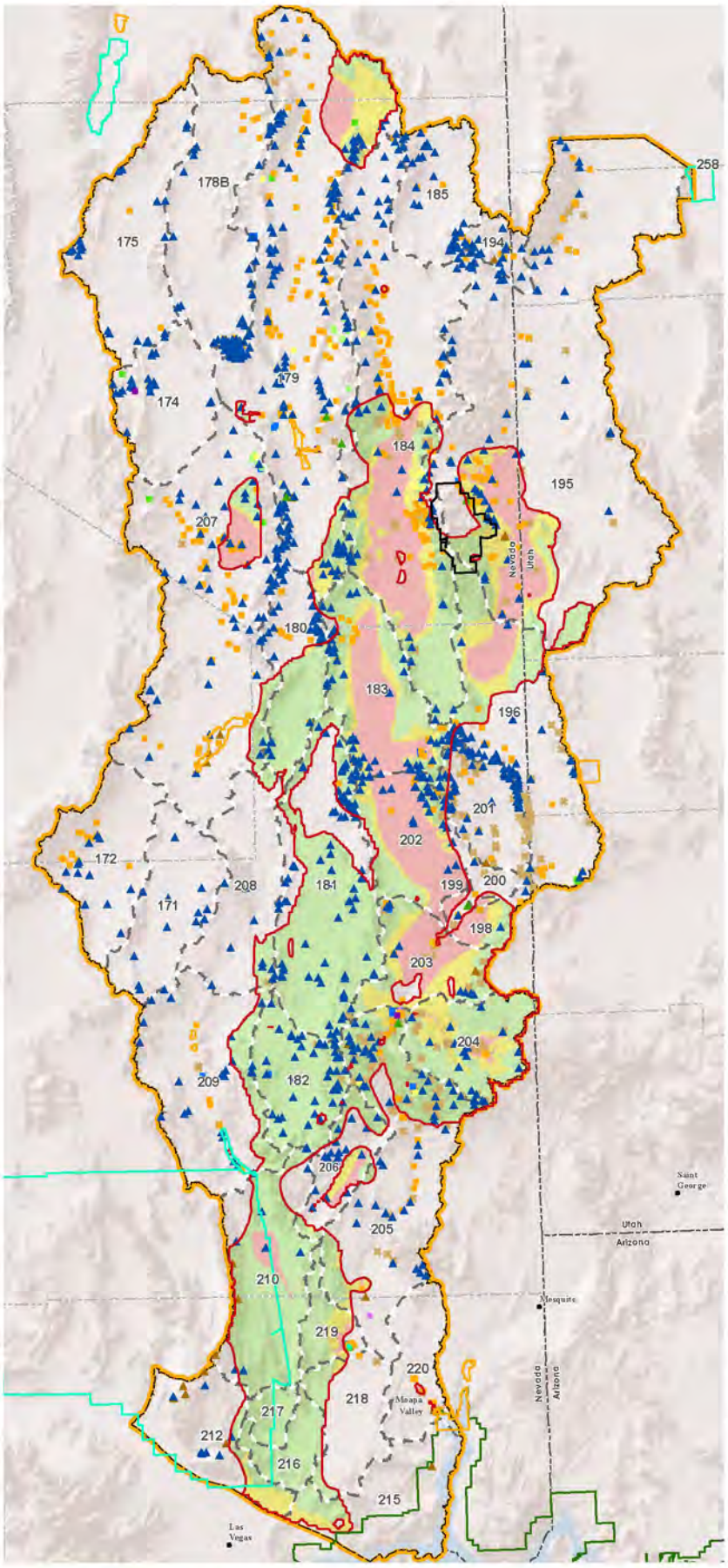

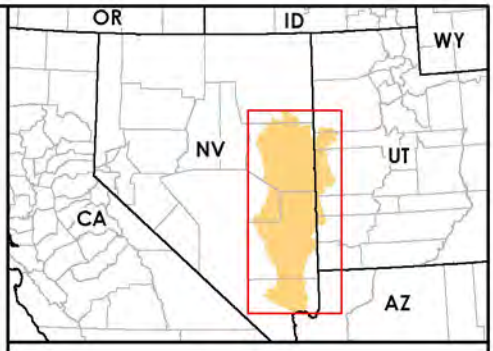

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-8
Potential Impacts to Surface Water Rights
Alt. B - (Points of Diversion) Cumulative Effects + 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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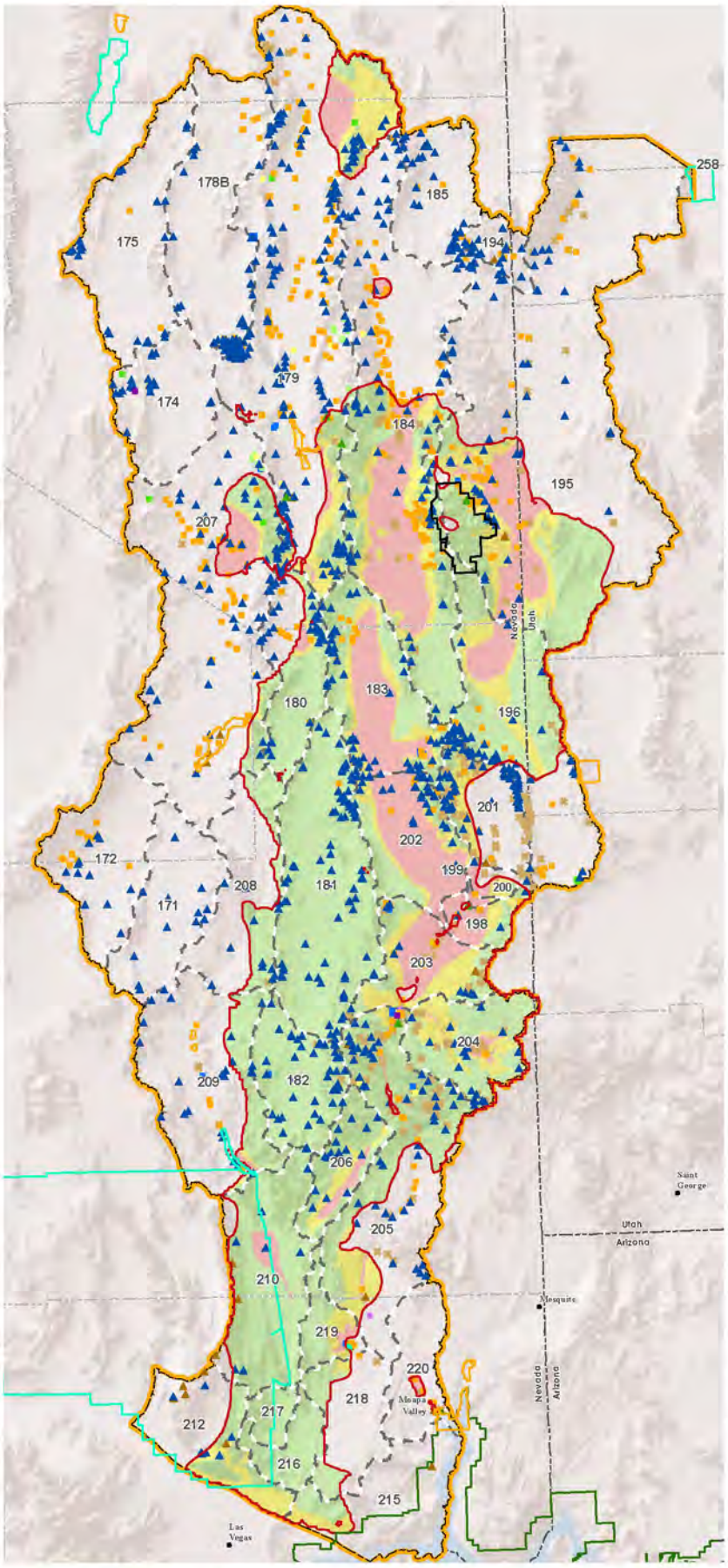

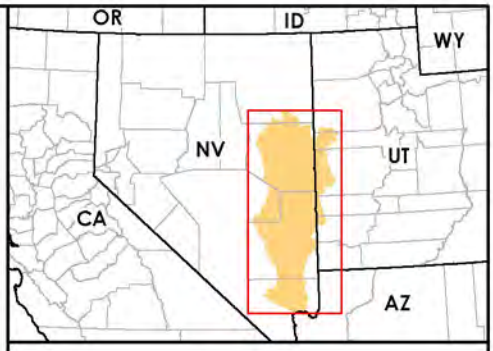

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-9
Potential Impacts to Surface Water Rights
Alt. B - (Points of Diversion) Cumulative Effects + 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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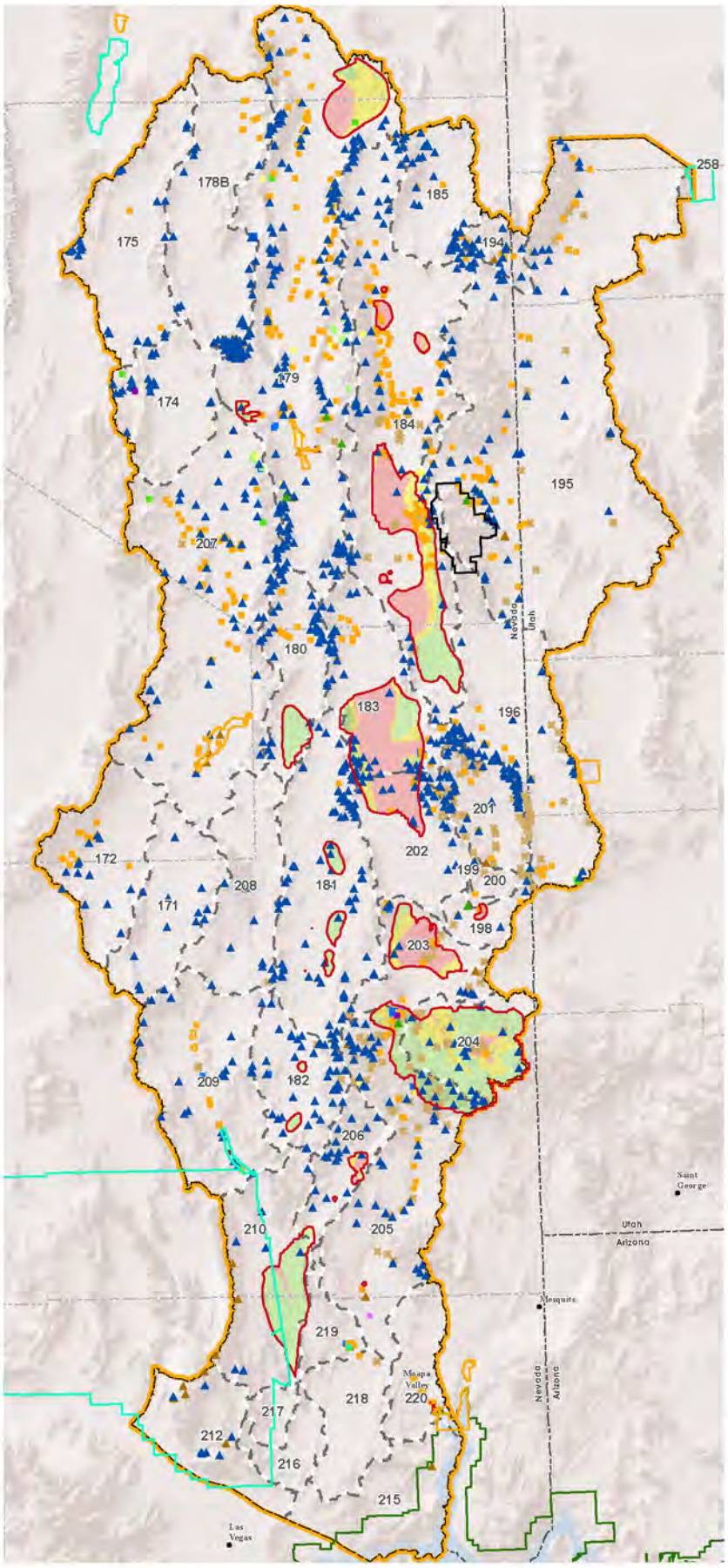

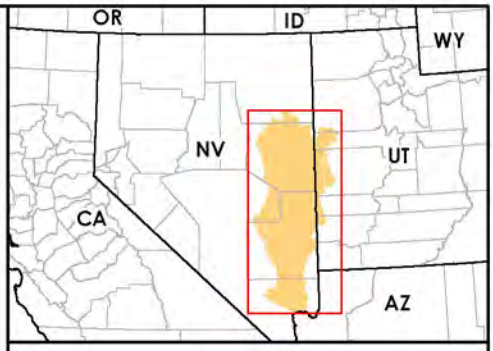

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
- Moderate – Valley margin areas where some impacts may occur
- High – Valley floor areas where impacts are likely to occur

[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

Basin #	Basin Name	Basin #	Basin Name
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172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-10
Potential Impacts to Surface Water Rights
Alt. C - (Intermittent Pumping) Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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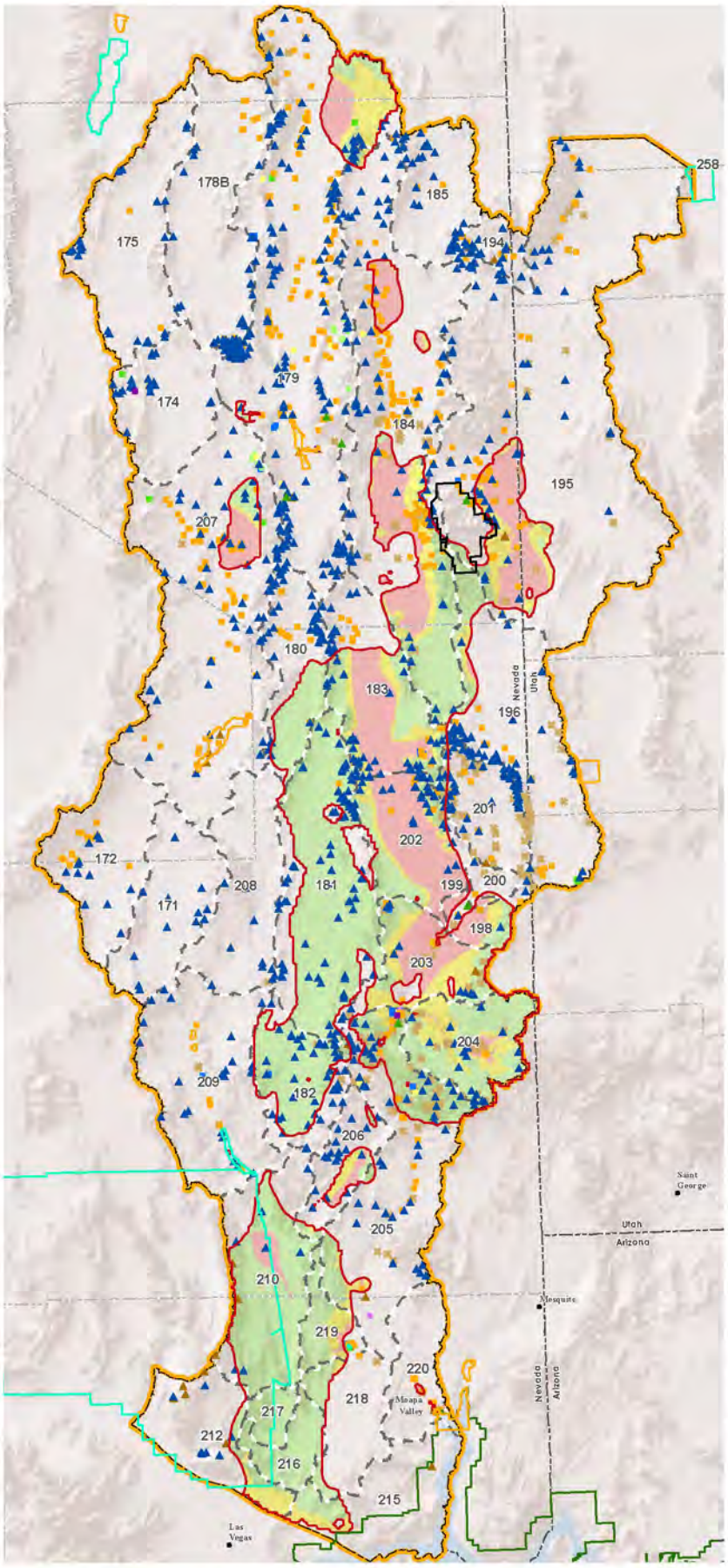

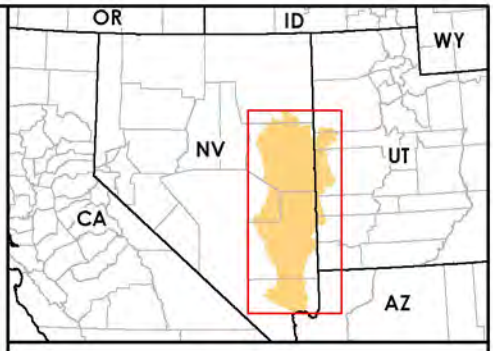

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley		
199	Rose Valley	220	Lower Moapa Valley
200	Eagle Valley	258	Fish Springs Flat
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-11
Potential Impacts to Surface Water Rights
Alt. C - (Intermittent Pumping) Cumulative Effects + 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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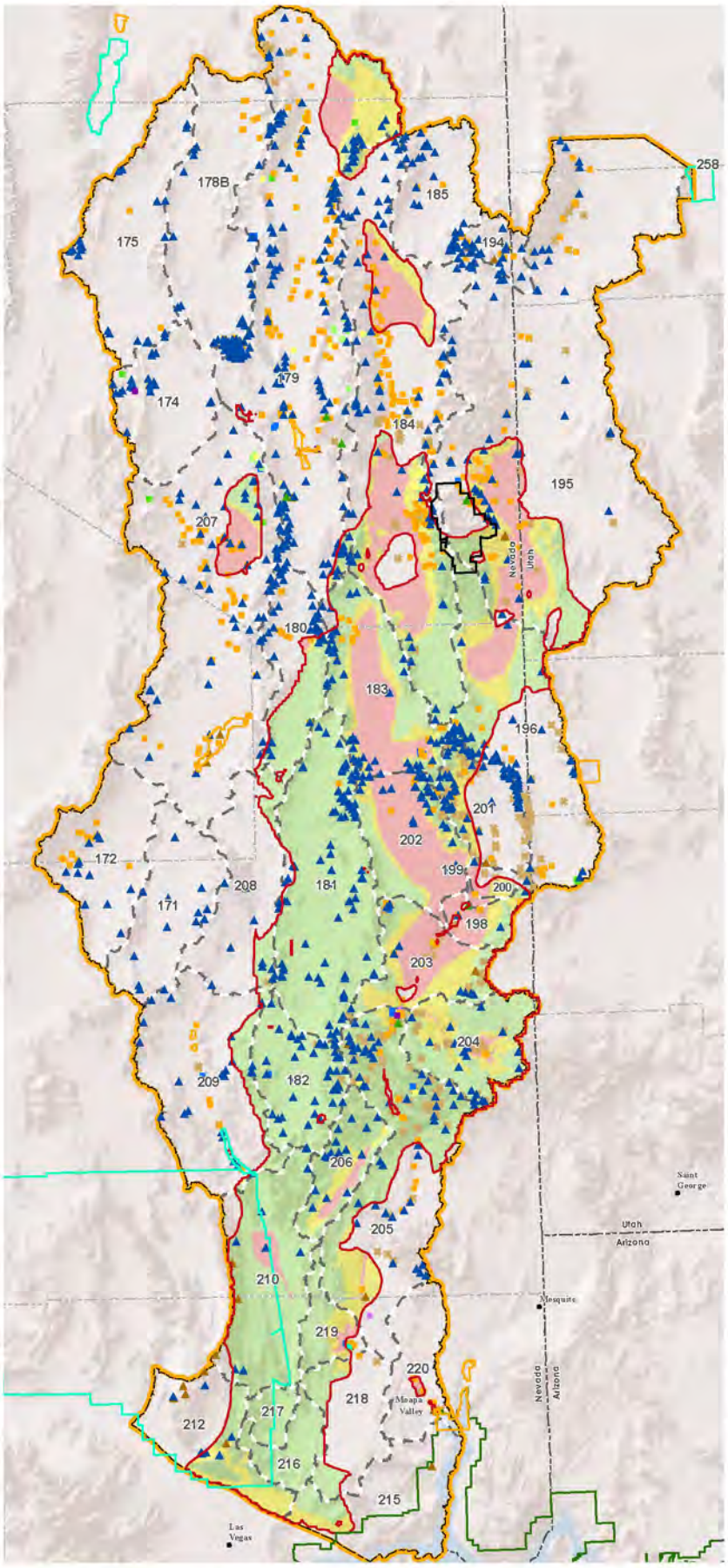

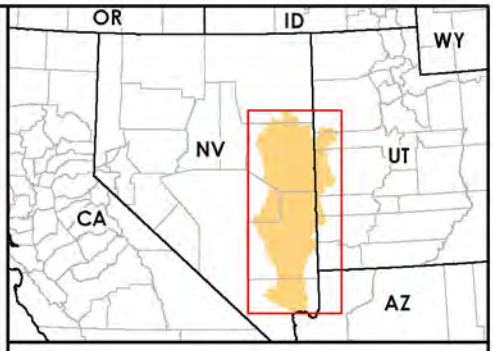

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley		
199	Rose Valley	220	Lower Moapa Valley
200	Eagle Valley	258	Fish Springs Flat
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-12
Potential Impacts to Surface Water Rights
Alt. C - (Intermittent Pumping) Cumulative Effects + 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

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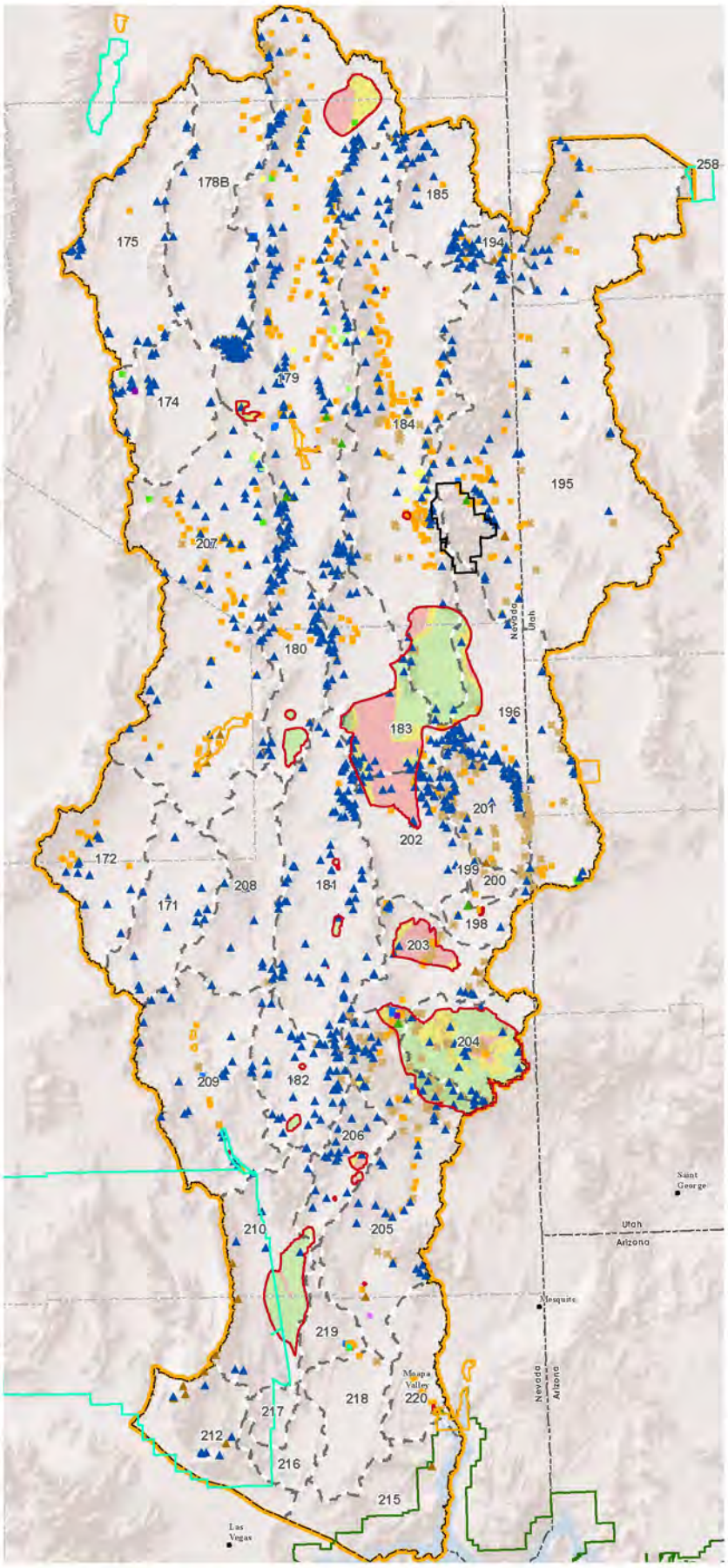

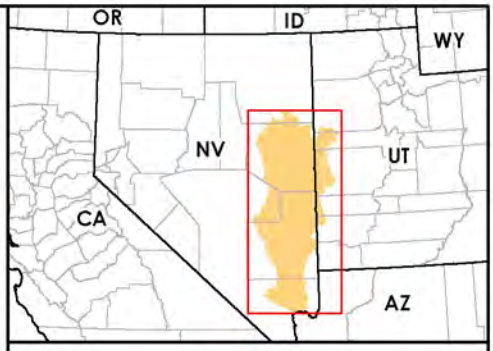

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-13
Potential Impacts to Surface Water Rights
Alt. D - (LCCRDA Dist. Pumping) Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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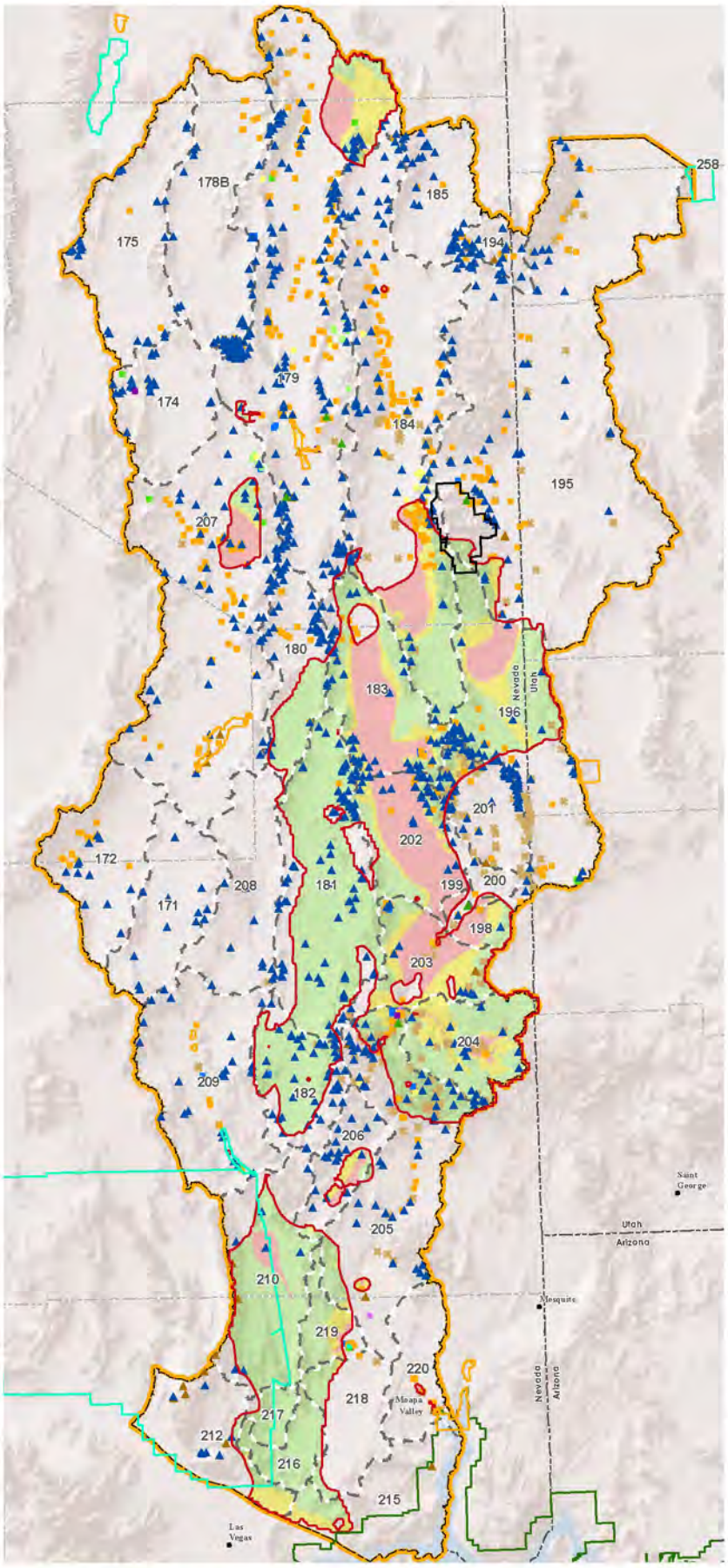

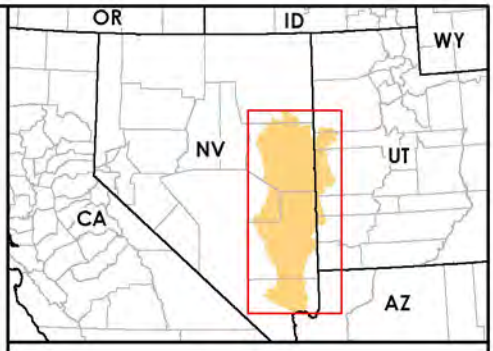

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-14
Potential Impacts to Surface Water Rights
Alt. D - (LCCRDA Dist. Pumping) Cumulative Effects + 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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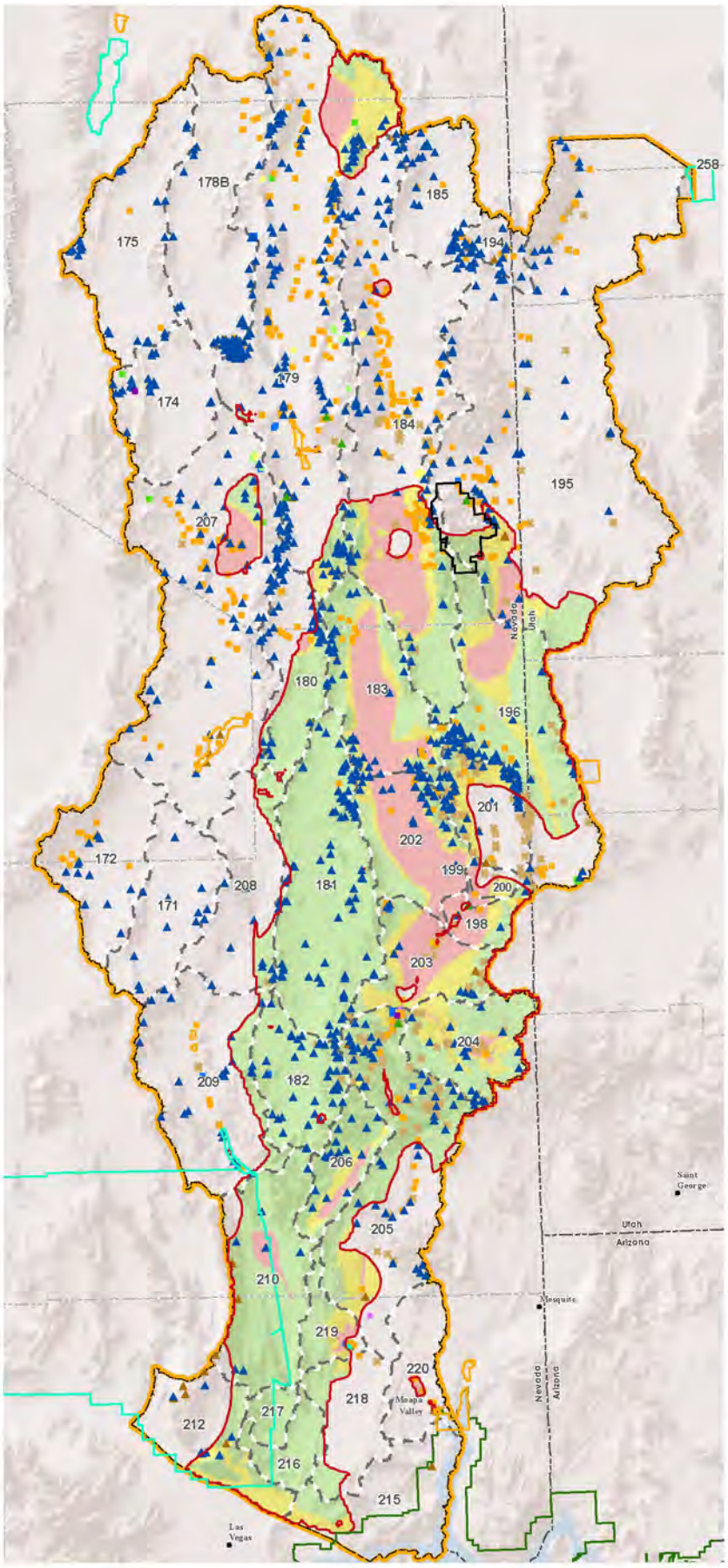

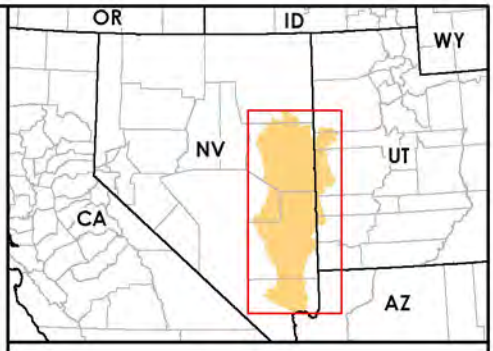

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-15
Potential Impacts to Surface Water Rights
Alt. D - (LCCRDA Dist. Pumping) Cumulative Effects + 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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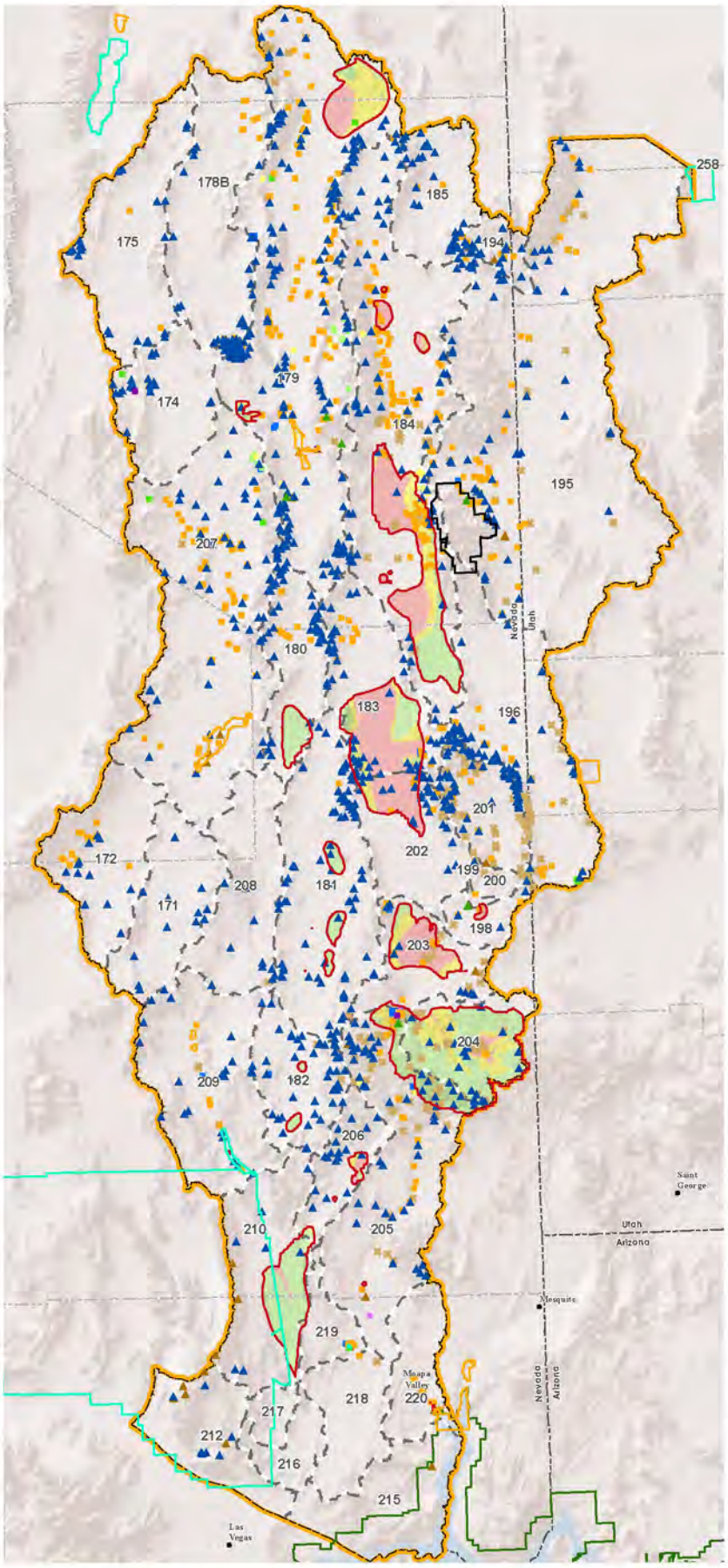

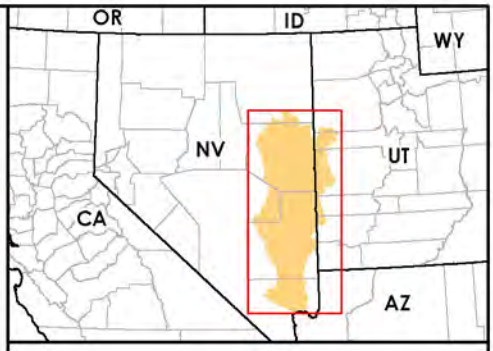

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-16
Potential Impacts to Surface Water Rights
Alt. E - (SDDC Pumping) Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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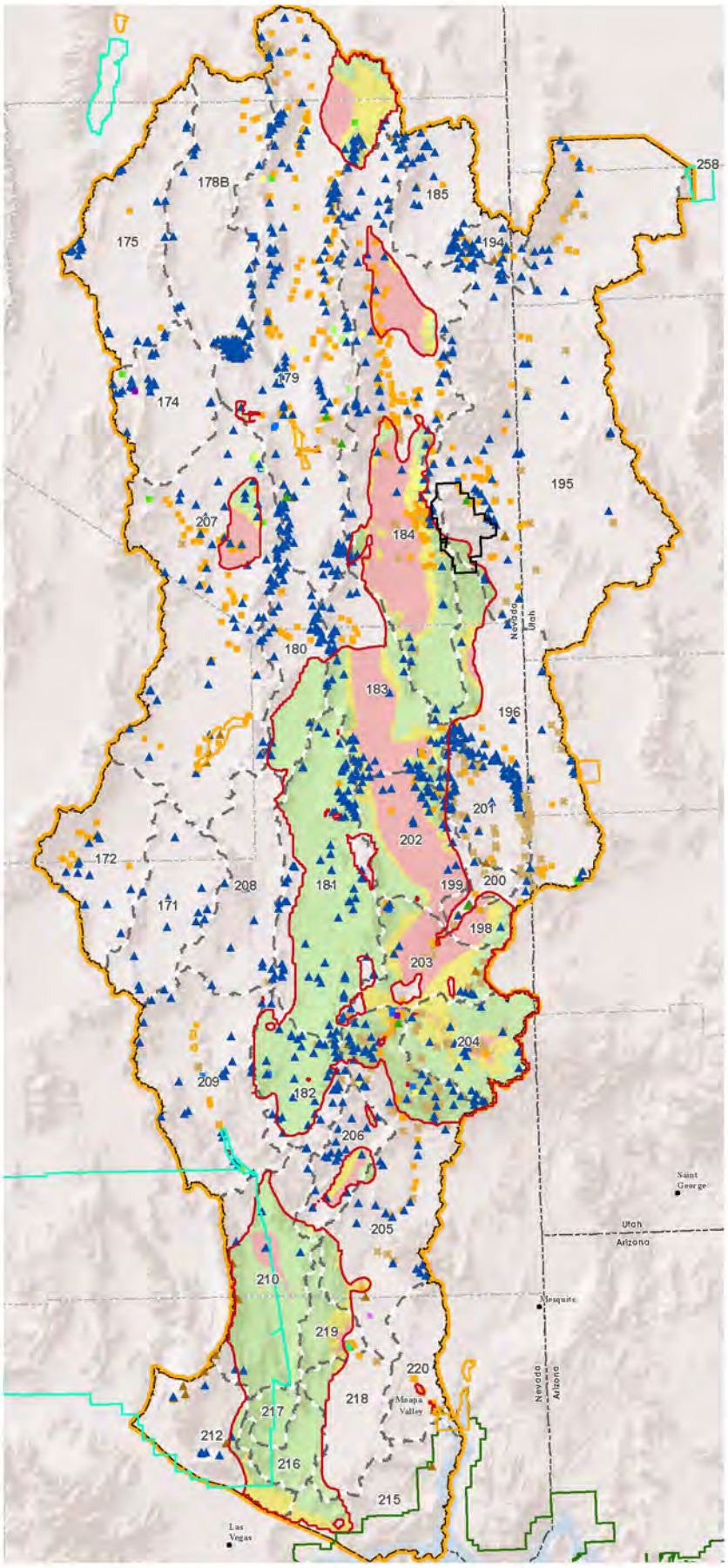

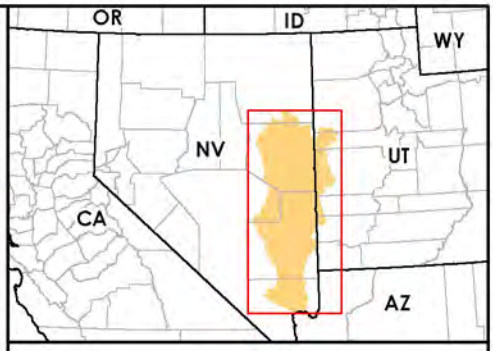

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
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196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-17
Potential Impacts to Surface Water Rights
Alt. E - (SDDC Pumping) Cumulative Effects + 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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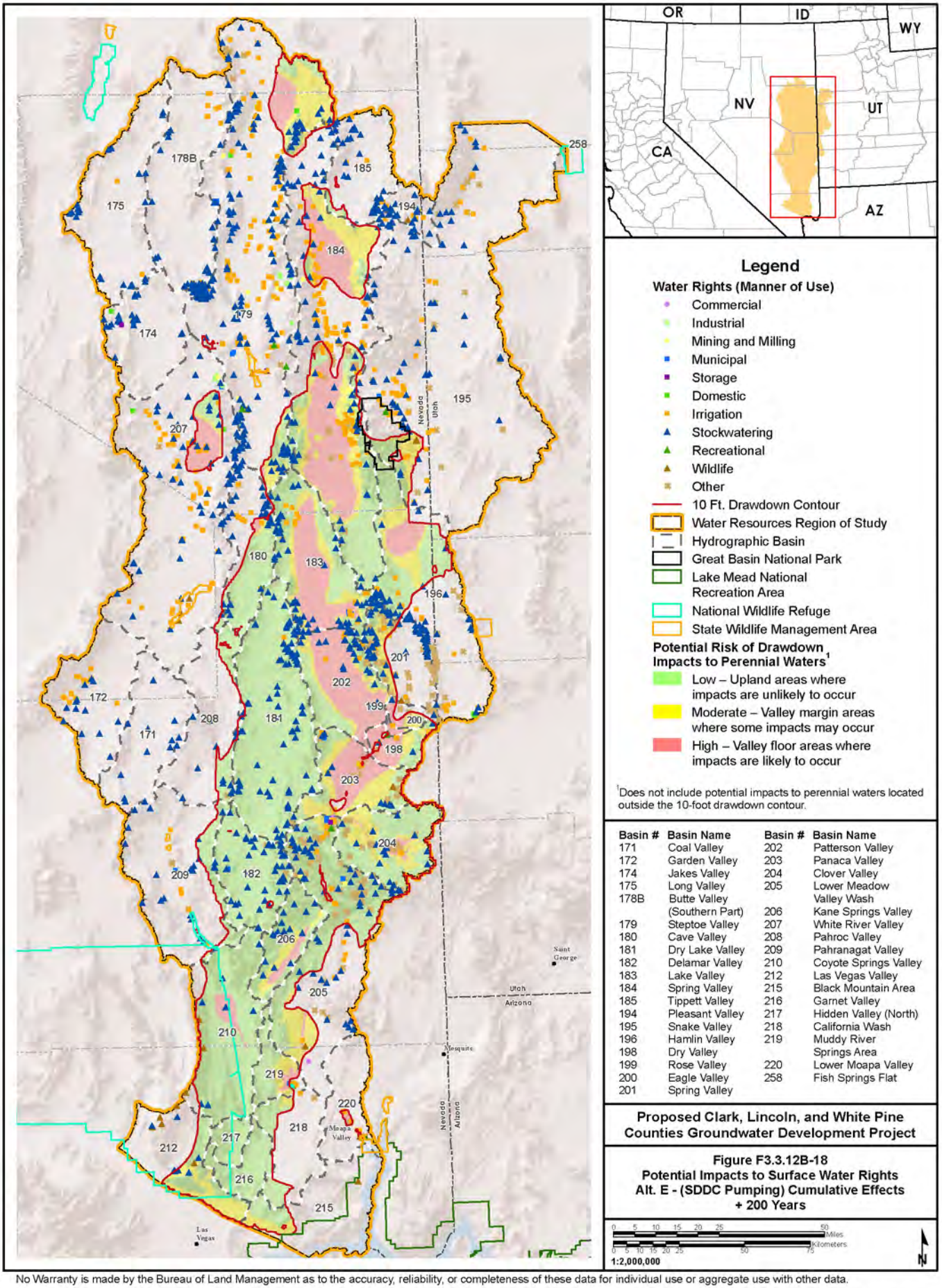

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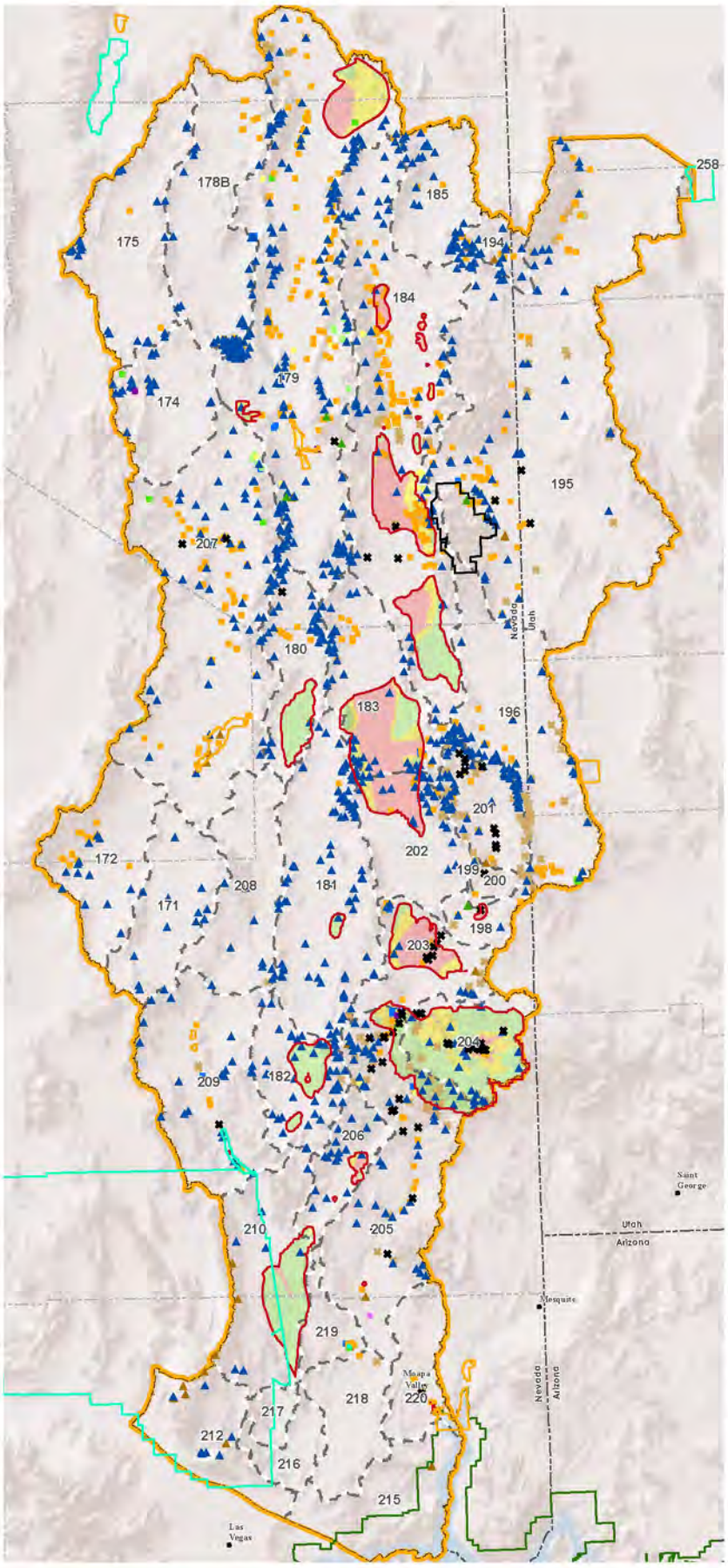

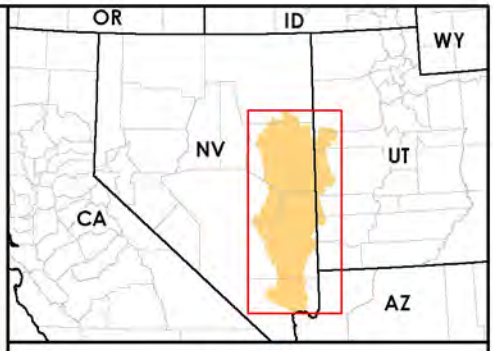

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- Unknown
- 10 Ft. Drawdown Contour
- Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-19
Potential Impacts to Surface Water Rights
Alt. F - (SDDC Pumping) Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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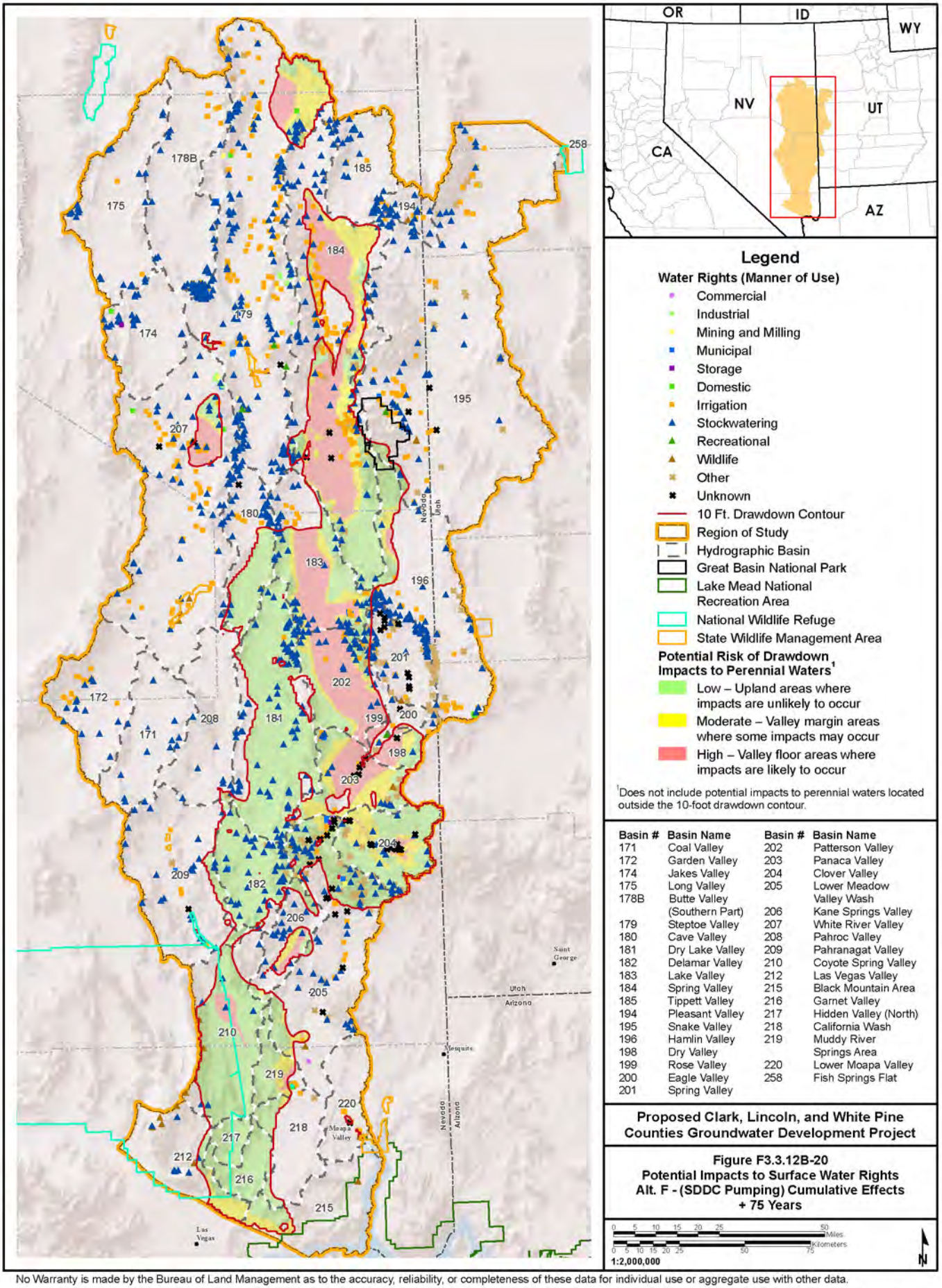

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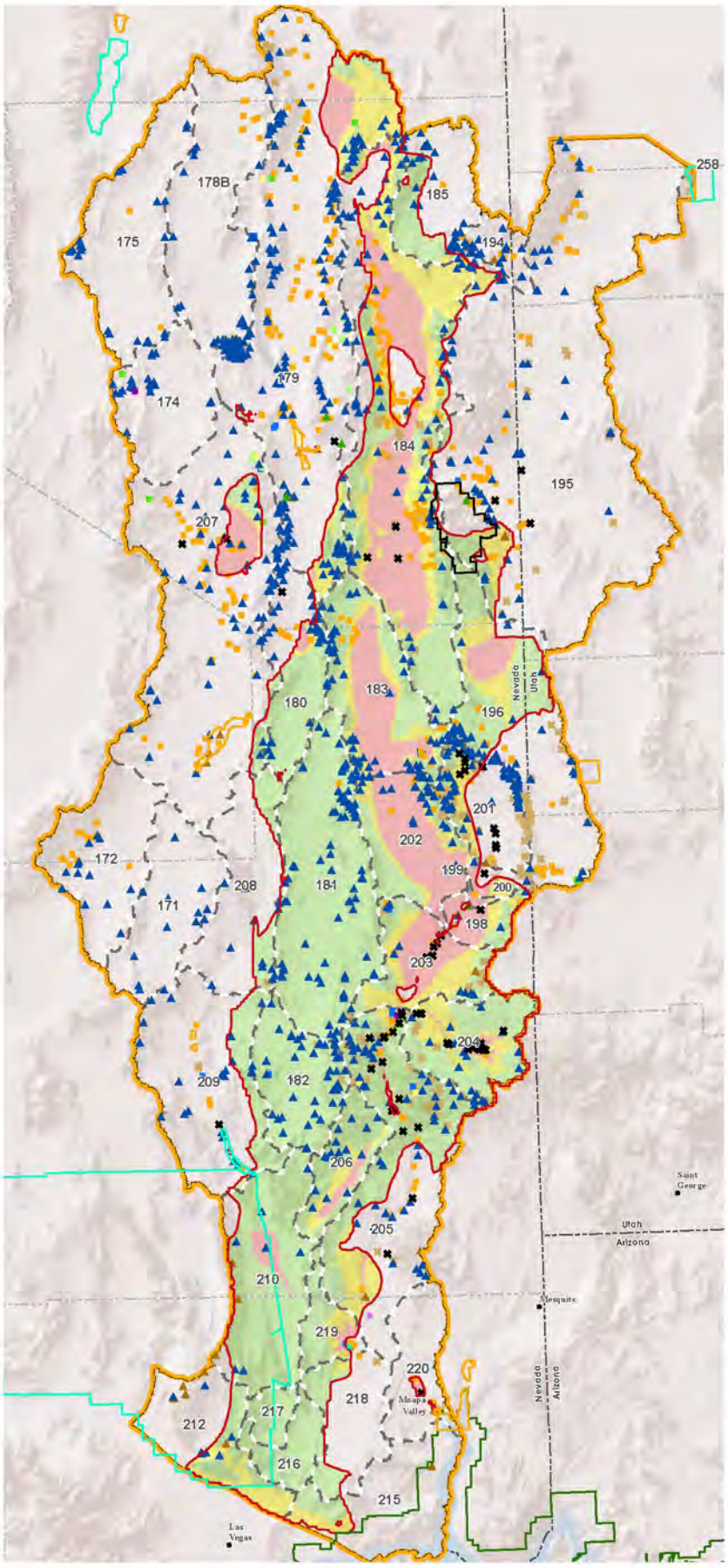

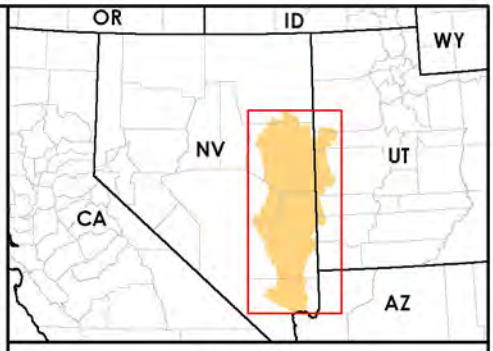

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- Unknown
- 10 Ft. Drawdown Contour
- Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

- Low – Upland areas where impacts are unlikely to occur
- Moderate – Valley margin areas where some impacts may occur
- High – Valley floor areas where impacts are likely to occur

[1]Does not include potential impacts to perennial waters located outside the 10-foot drawdown contour.

Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Spring Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-21
Potential Impacts to Surface Water Rights
Alt. F - (SDDC Pumping) Cumulative Effects
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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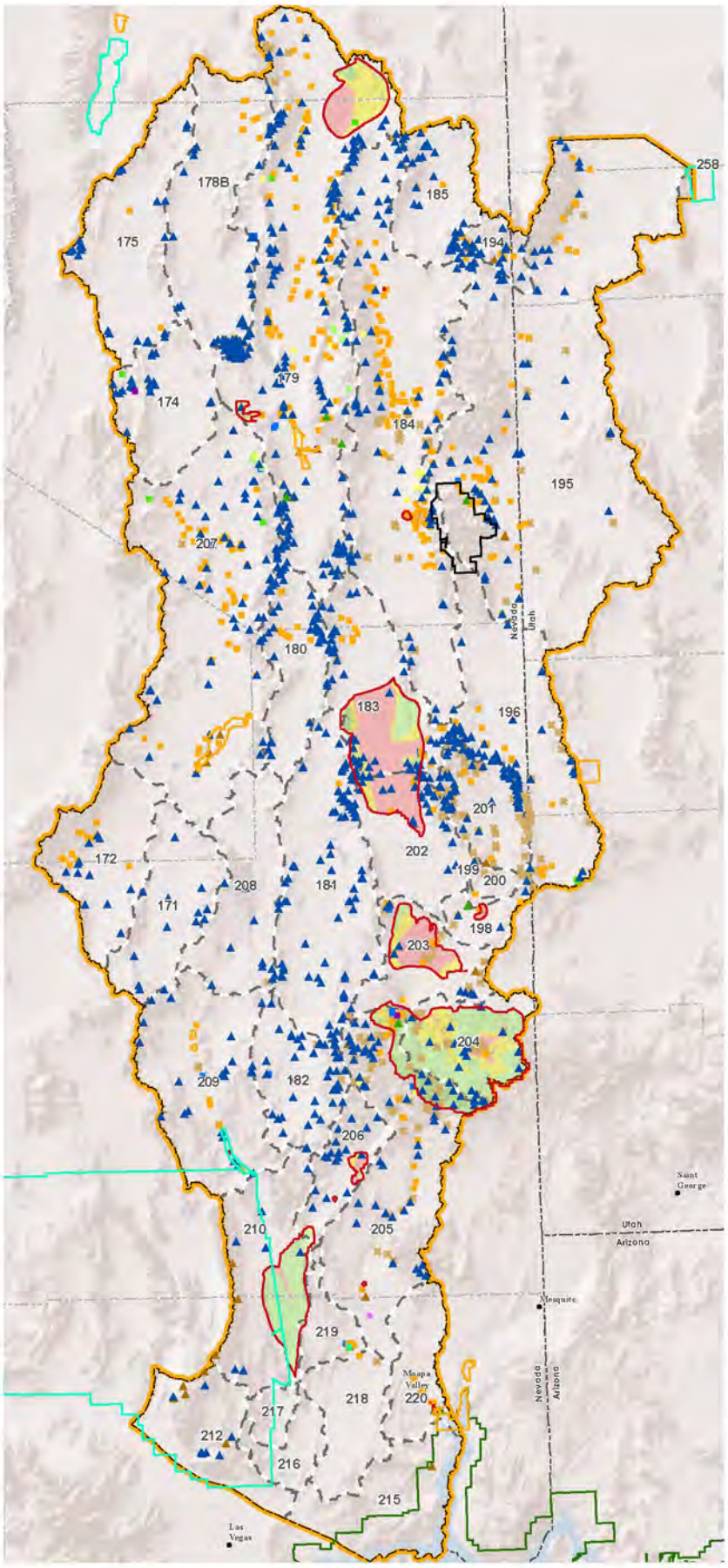

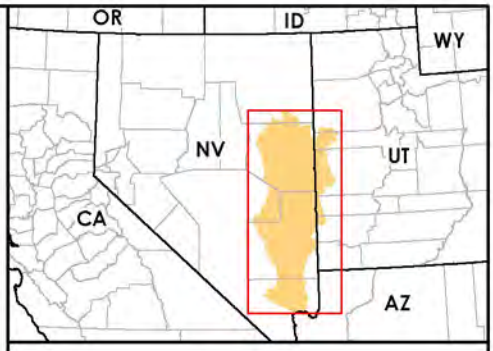

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other

- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-22
Potential Impacts to Surface Water Rights
No Action Cumulative Effects
Full Build Out

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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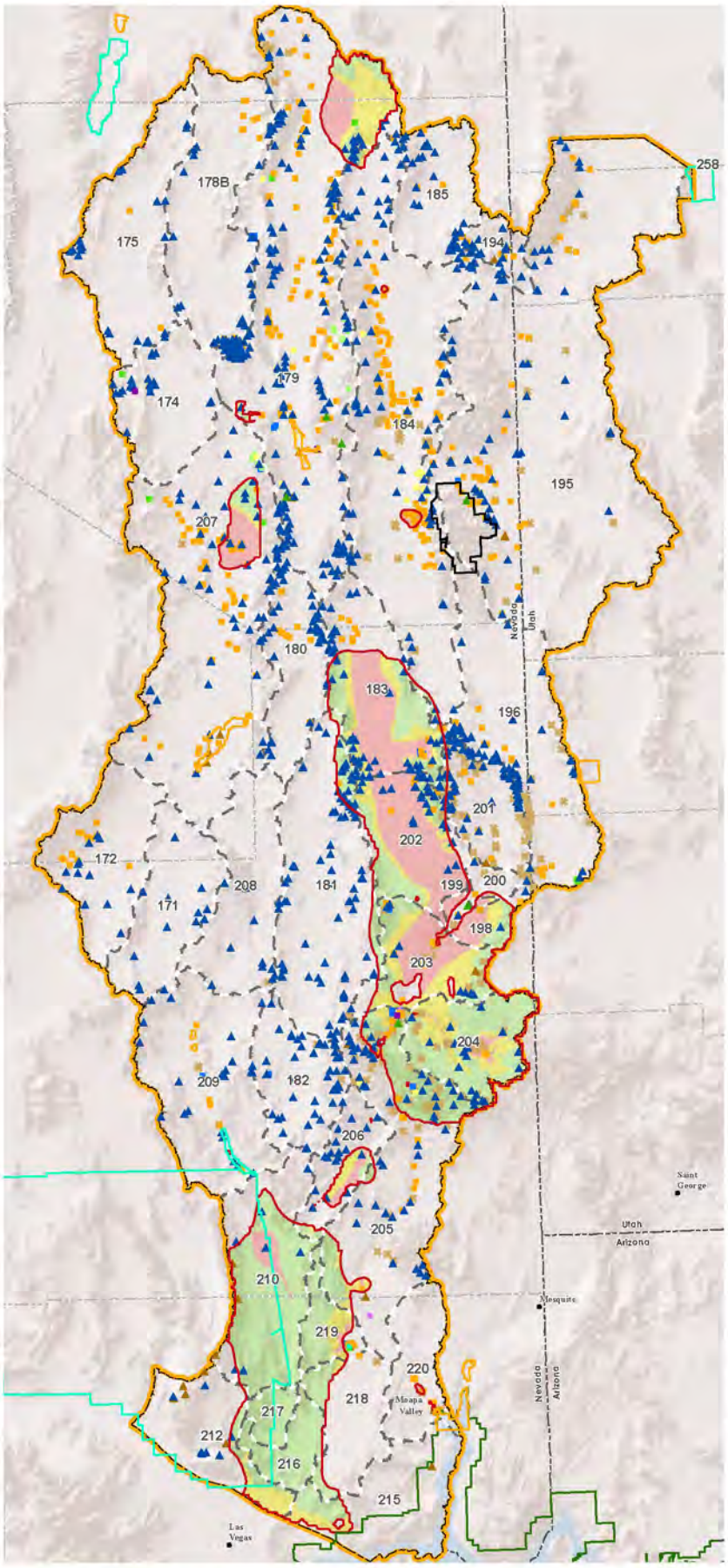

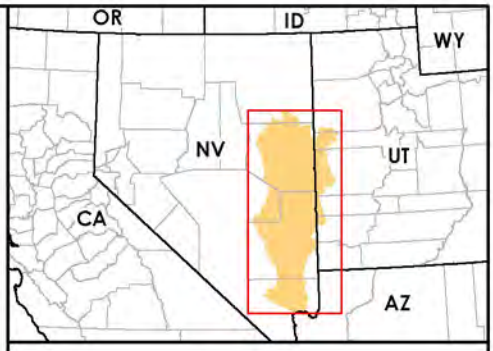

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Potential Risk of Drawdown Impacts to Perennial Waters[1]

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180	Cave Valley	208	Pahroc Valley
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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-23
Potential Impacts to Surface Water Rights
No Action Cumulative Effects
+ 75 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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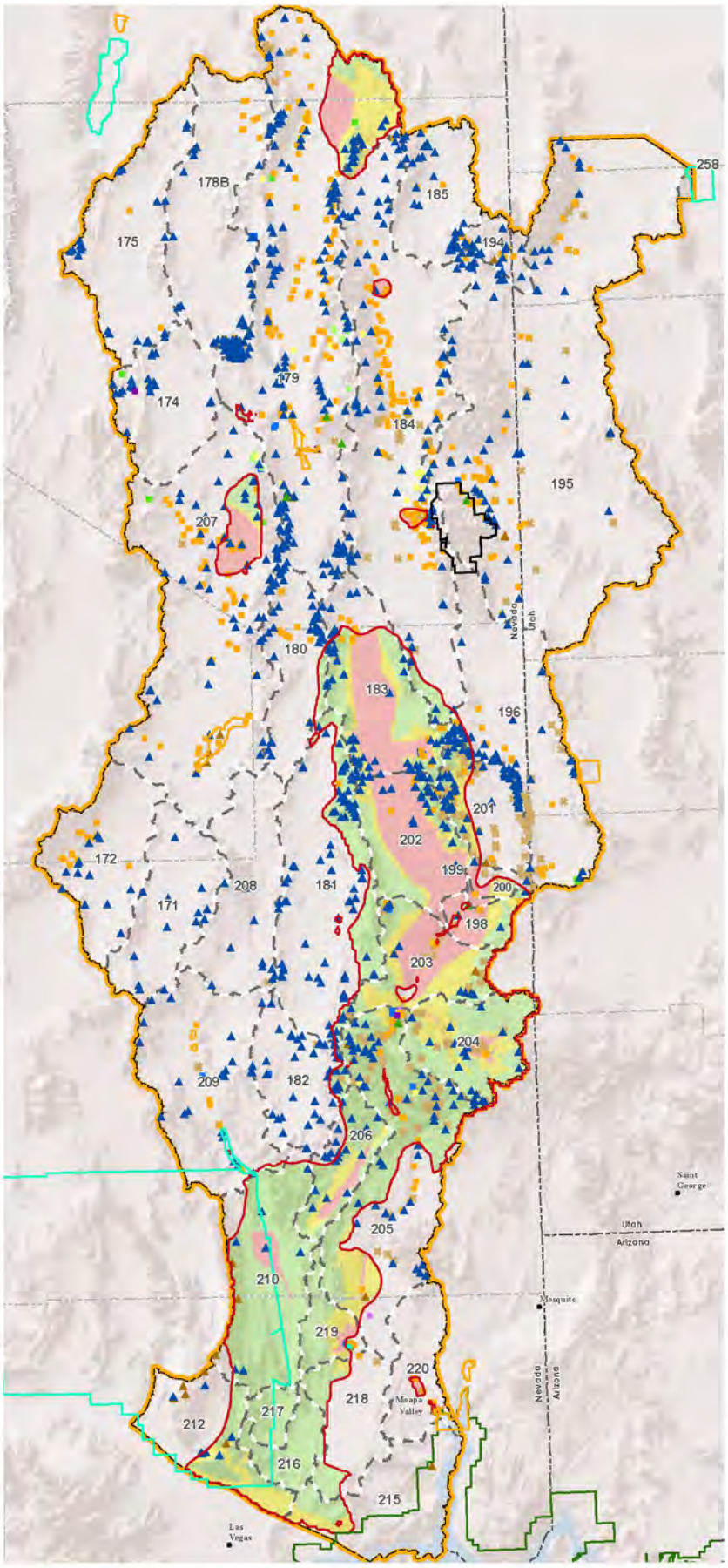

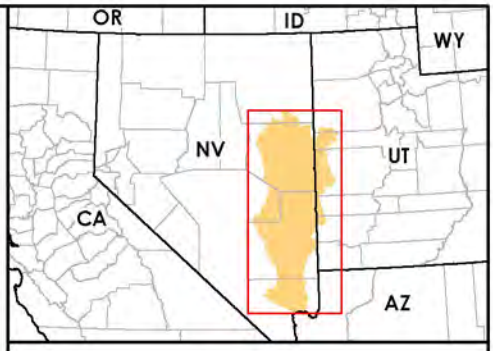

Legend

Water Rights (Manner of Use)

- Commercial
- Industrial
- Mining and Milling
- Municipal
- Storage
- Domestic
- Irrigation
- Stockwatering
- Recreational
- Wildlife
- Other
- 10 Ft. Drawdown Contour
- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
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Potential Risk of Drawdown Impacts to Perennial Waters[1]

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198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.12B-24
Potential Impacts to Surface Water Rights
No Action Cumulative Effects
+ 200 Years

0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers
1:2,000,000

N

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