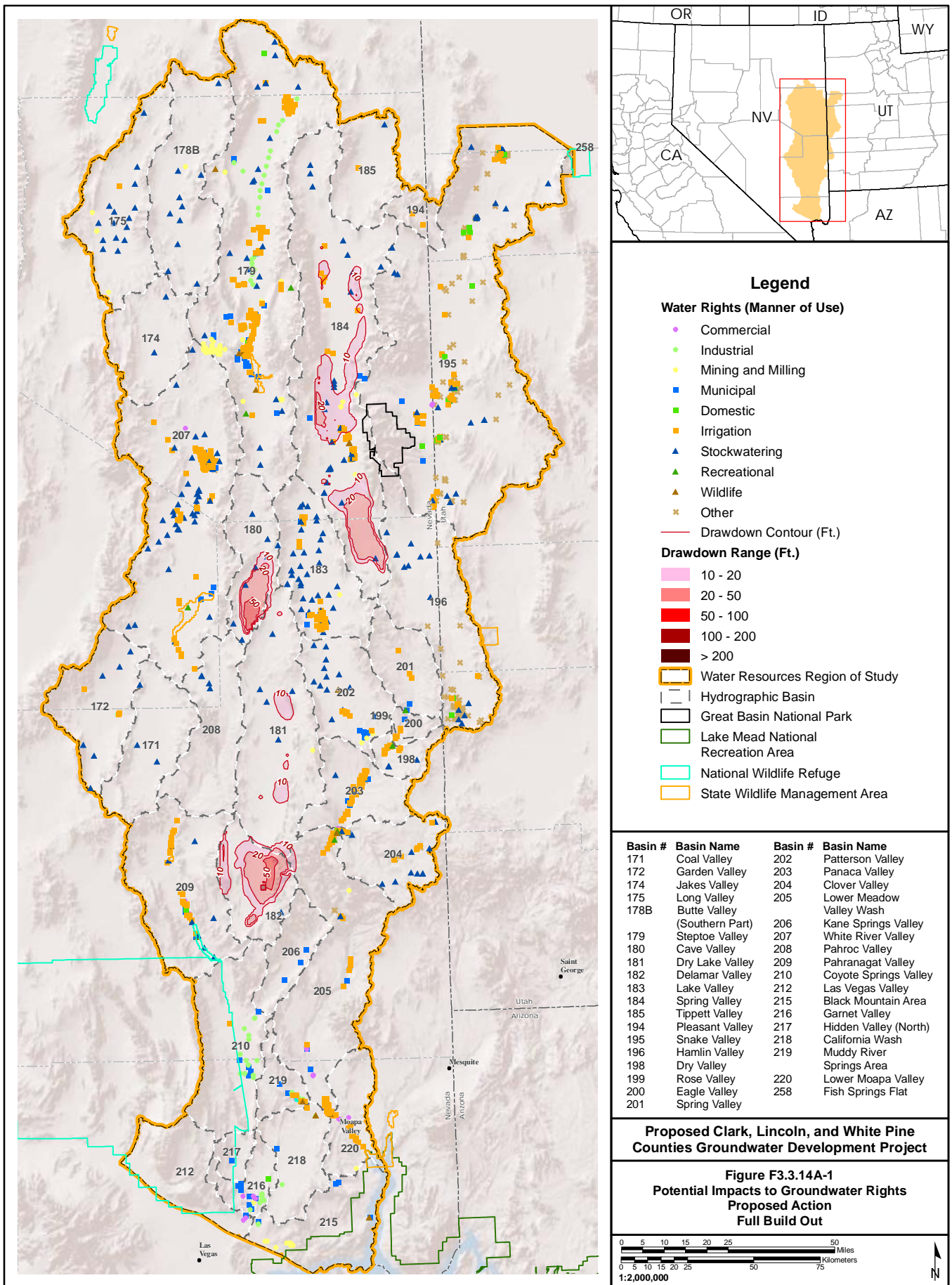
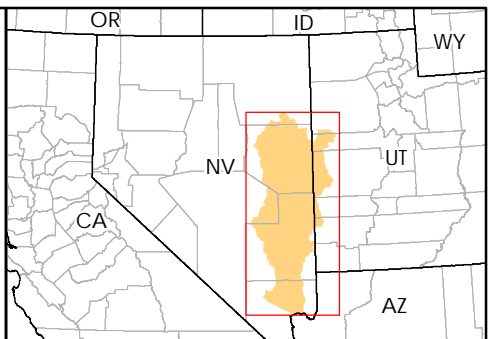
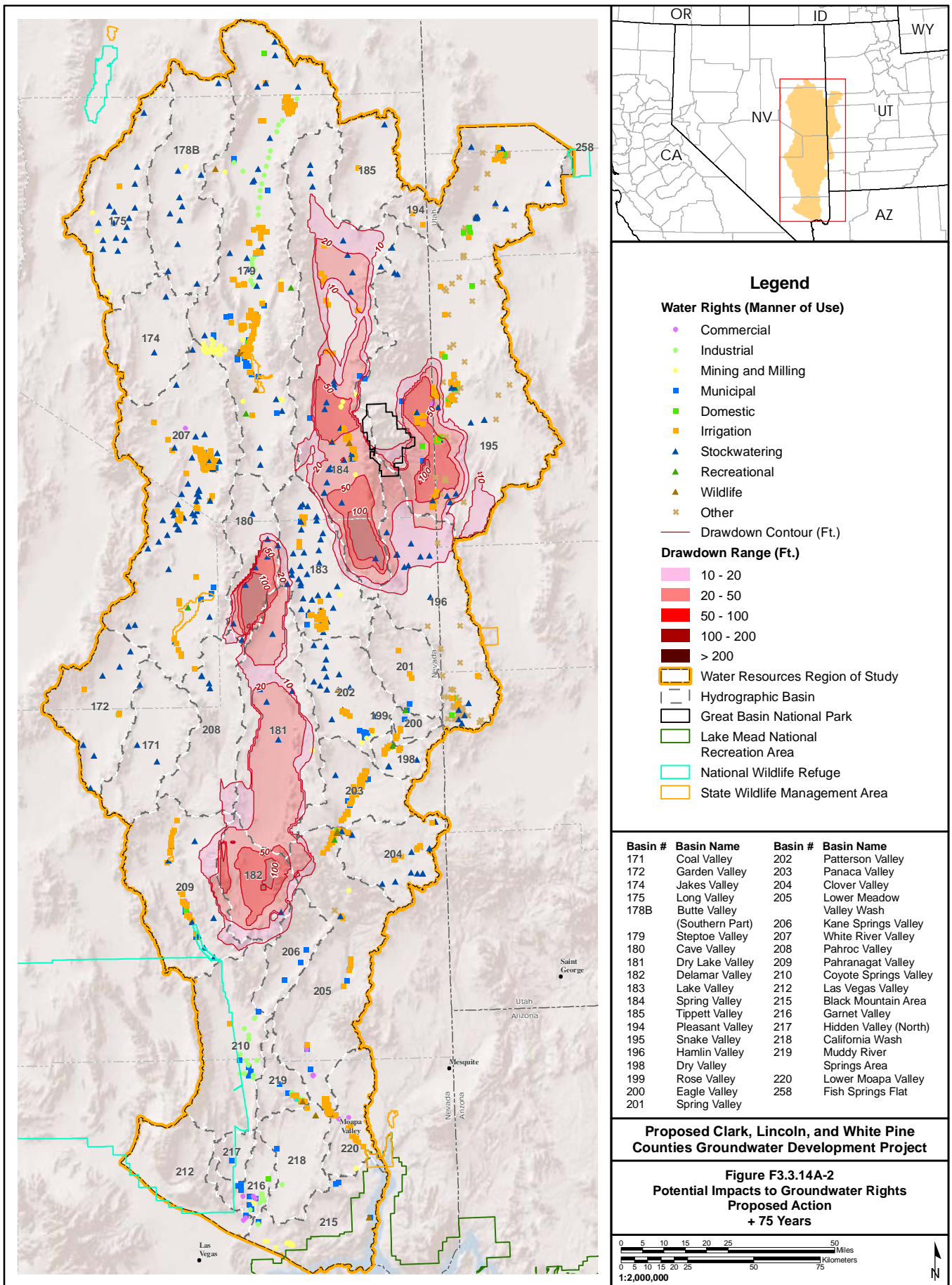


F3.3.14

Predicted Drawdown at Existing Groundwater Rights



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
- Domestic
- Irrigation
- ▲ Stockwatering
- ▲ Recreational
- ▲ Wildlife
- × Other

— Drawdown Contour (Ft.)

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

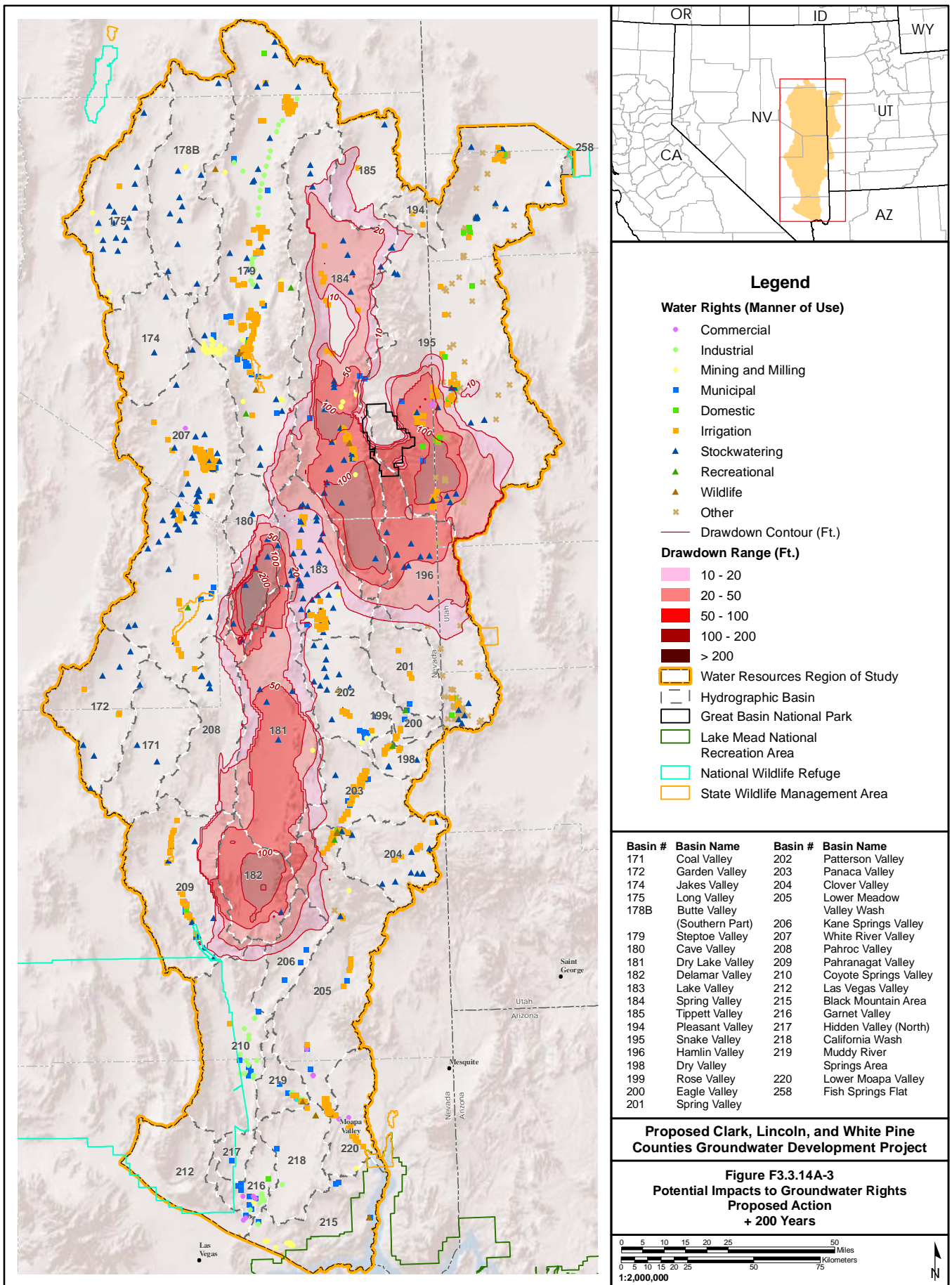
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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

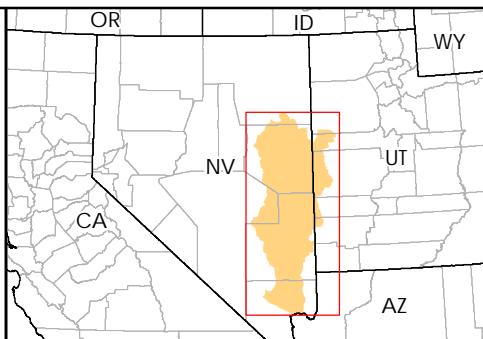
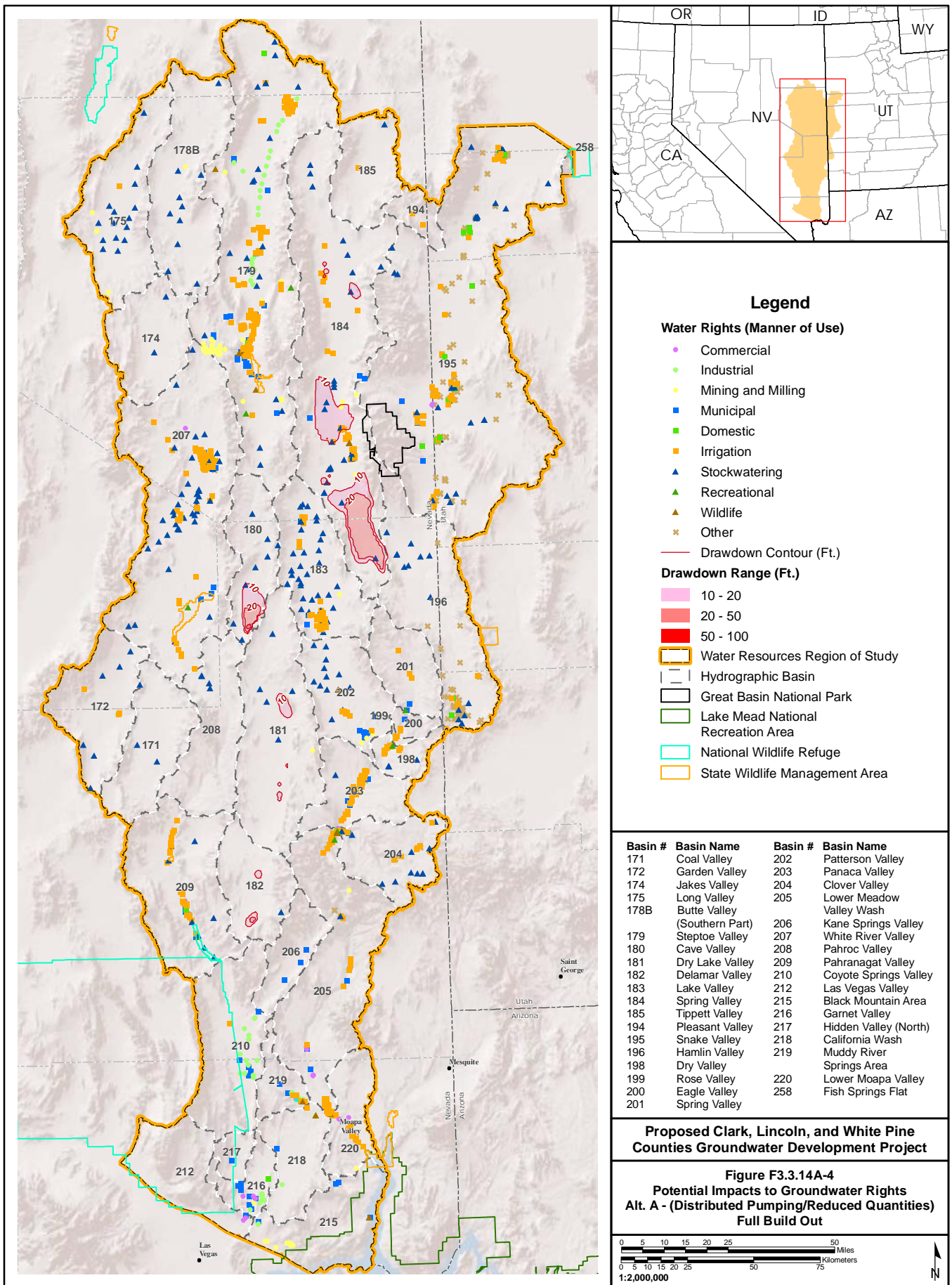
Figure F3.3.14A-2
Potential Impacts to Groundwater Rights
Proposed Action
+ 75 Years

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

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.



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
- Domestic
- Irrigation
- ▲ Stockwatering
- ▲ Recreational
- ▲ Wildlife
- × Other

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100

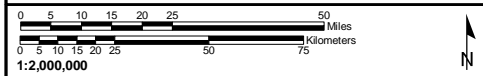
Other Features:

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

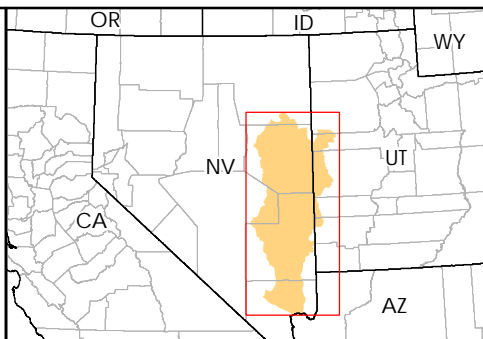
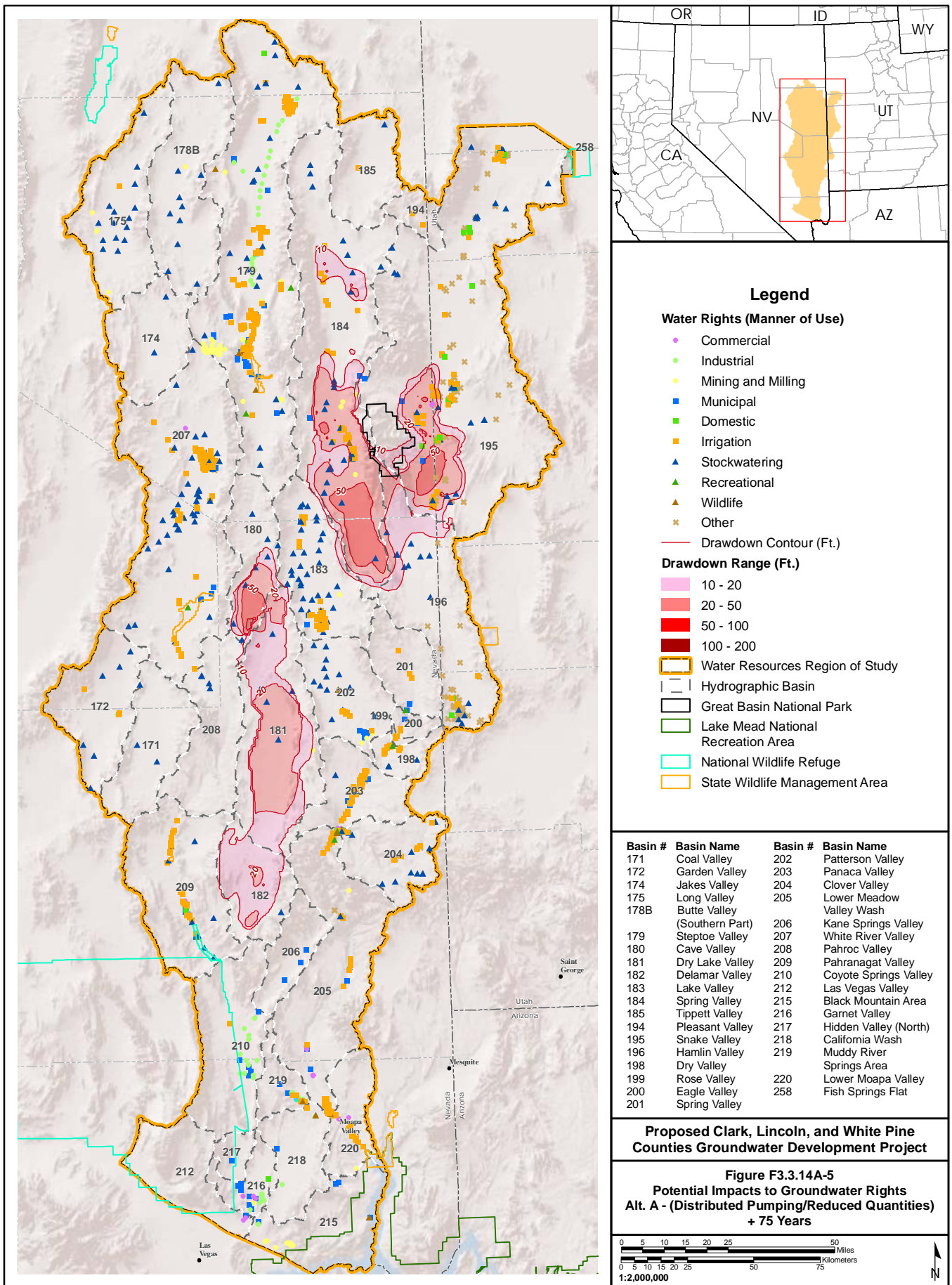
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14A-4
Potential Impacts to Groundwater Rights
Alt. A - (Distributed Pumping/Reduced Quantities)
Full Build Out**



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.

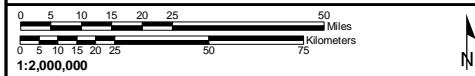


- Legend**
- Water Rights (Manner of Use)**
- Commercial
 - Industrial
 - Mining and Milling
 - Municipal
 - Domestic
 - Irrigation
 - ▲ Stockwatering
 - ▲ Recreational
 - ▲ Wildlife
 - × Other
- Drawdown Contour (Ft.)
- Drawdown Range (Ft.)**
- 10 - 20
 - 20 - 50
 - 50 - 100
 - 100 - 200
- Water Resources Region of Study
 - Hydrographic Basin
 - Great Basin National Park
 - Lake Mead National Recreation Area
 - National Wildlife Refuge
 - State Wildlife Management Area

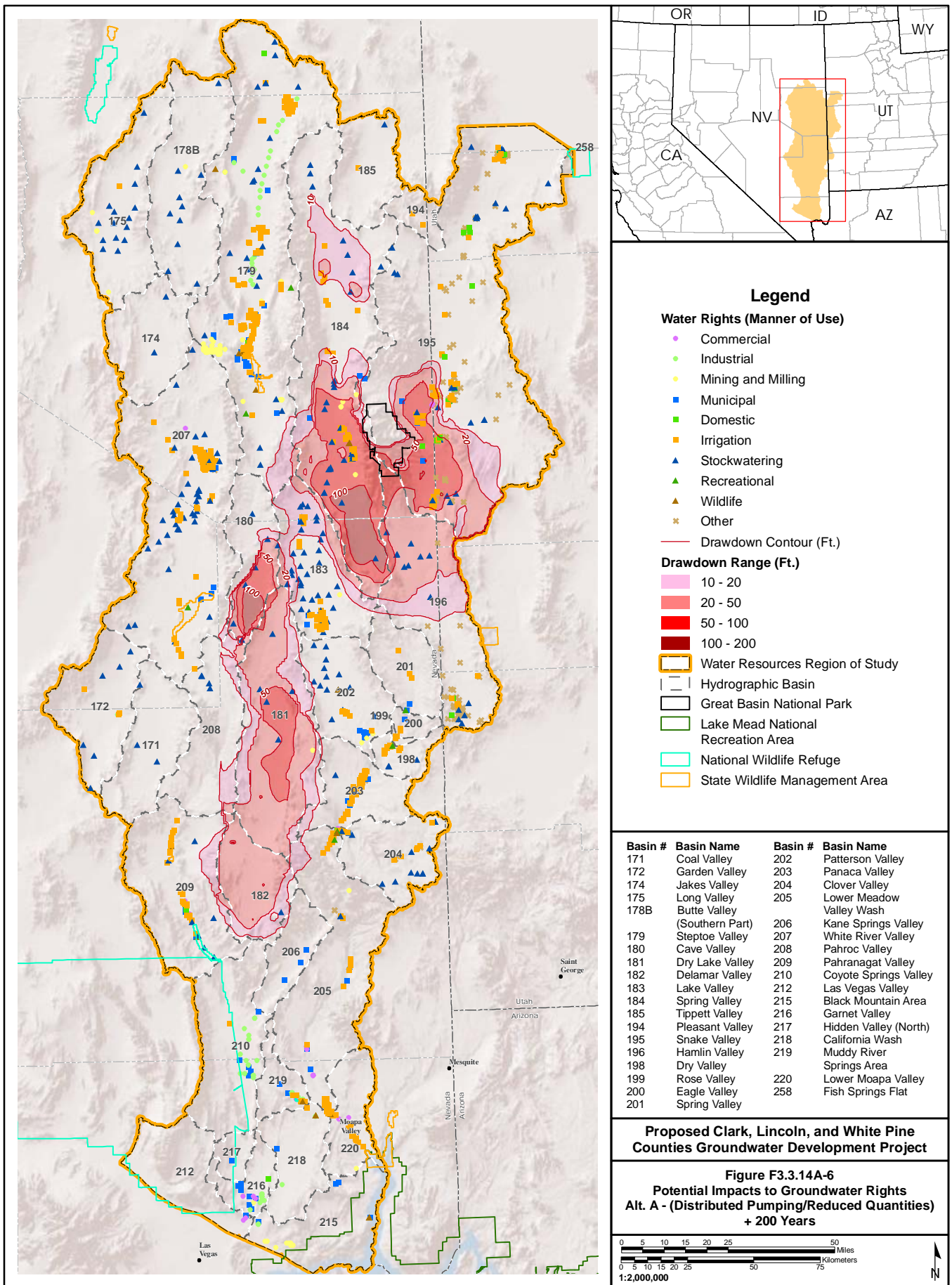
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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

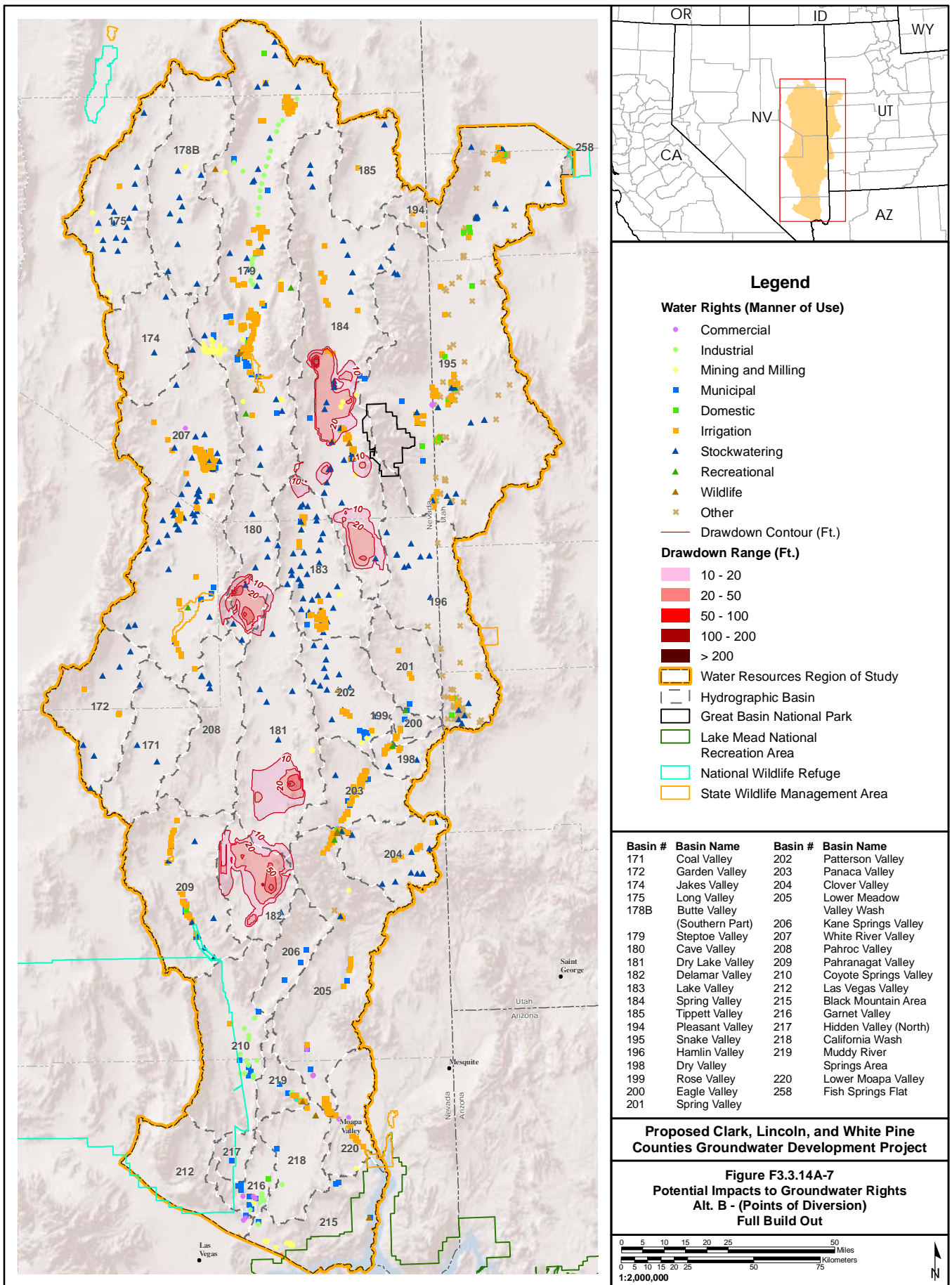
**Figure F3.3.14A-5
Potential Impacts to Groundwater Rights
Alt. A - (Distributed Pumping/Reduced Quantities)
+ 75 Years**



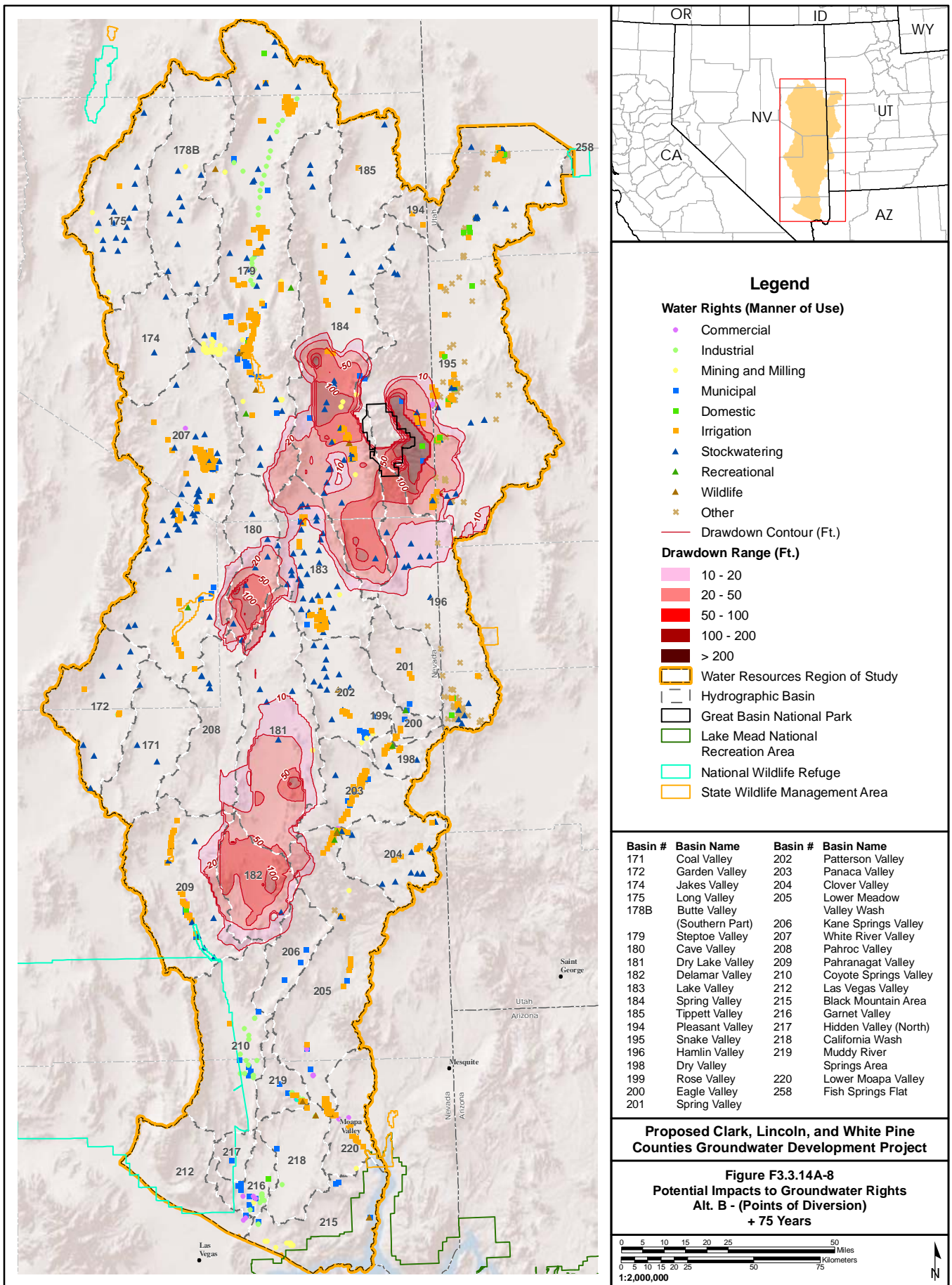
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



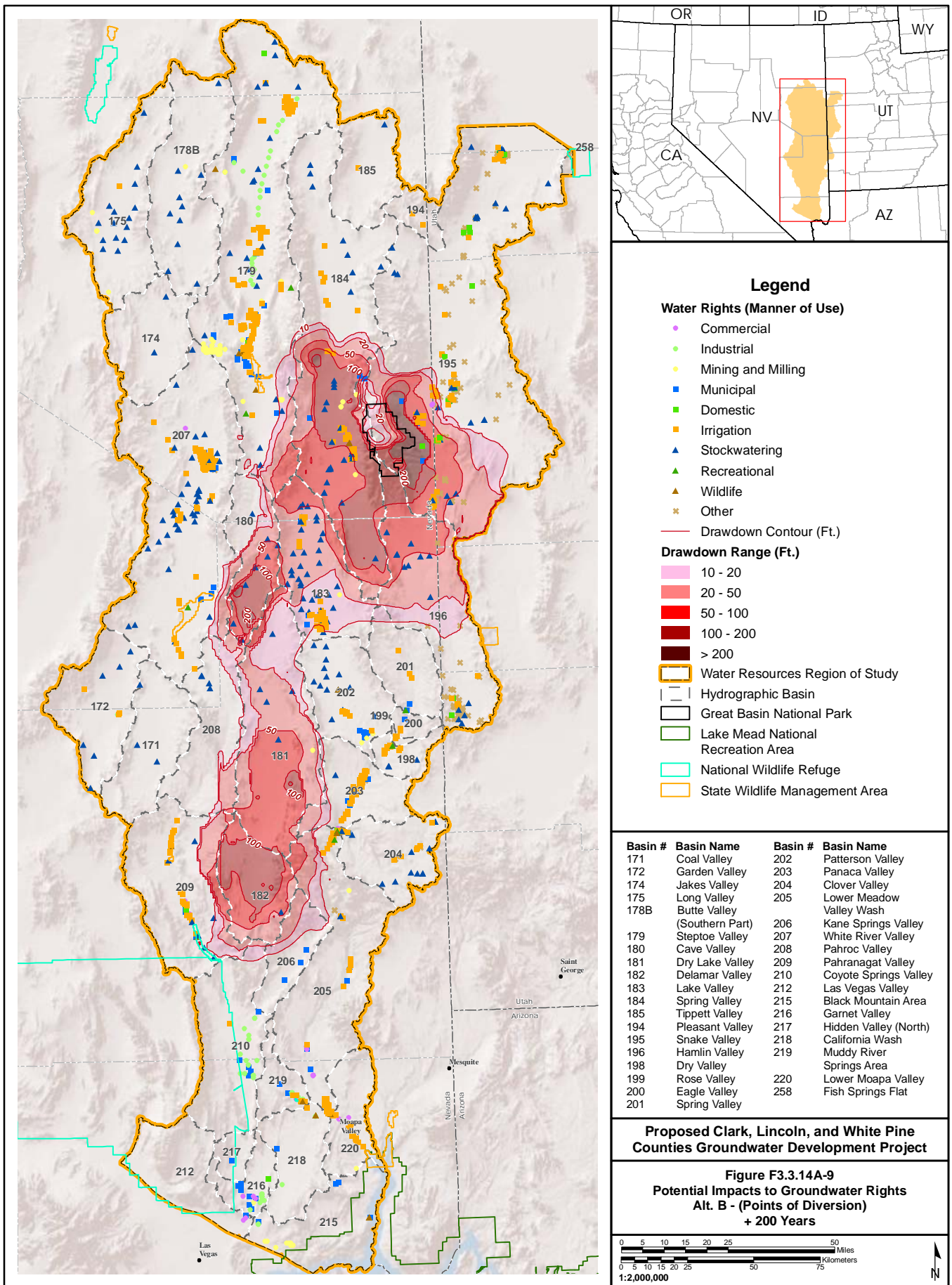
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



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.



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
- Domestic
- Irrigation
- ▲ Stockwatering
- ▲ Recreational
- ▲ Wildlife
- × Other

— Drawdown Contour (Ft.)

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

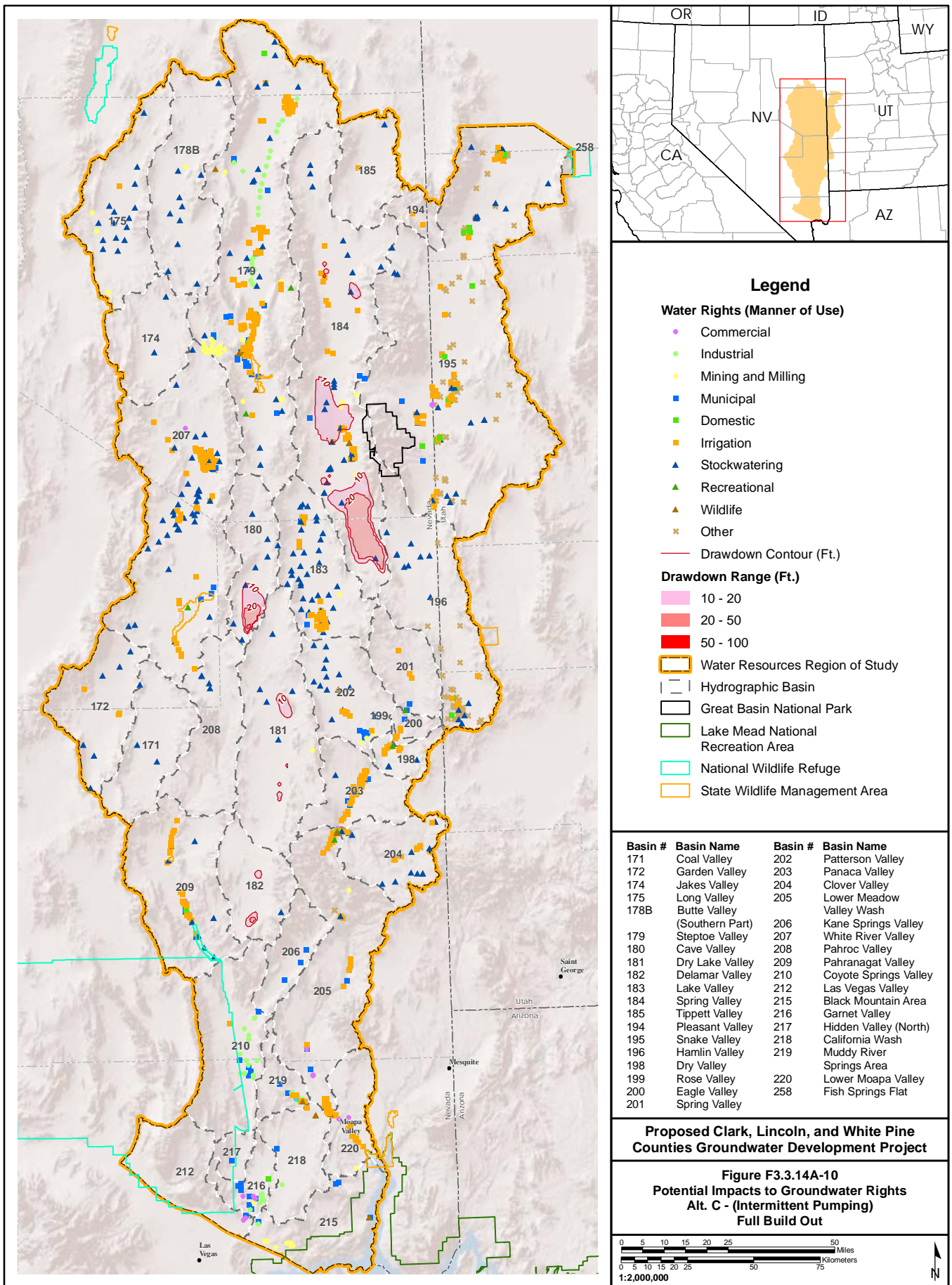
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
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179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14A-9
Potential Impacts to Groundwater 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

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
- Domestic
- Irrigation
- ▲ Stockwatering
- ▲ Recreational
- ▲ Wildlife
- ✖ Other

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100

Other Features

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

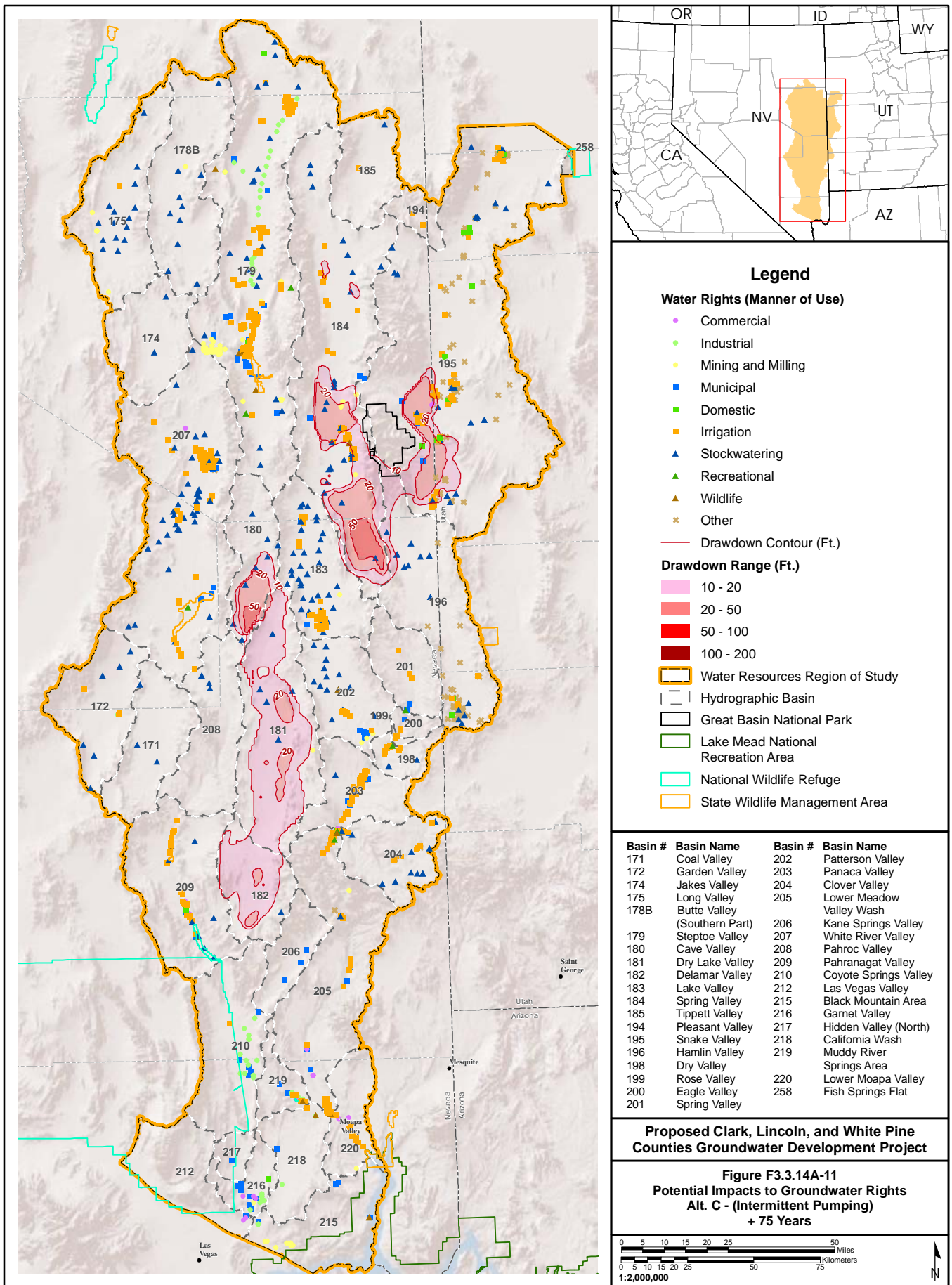
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171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
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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

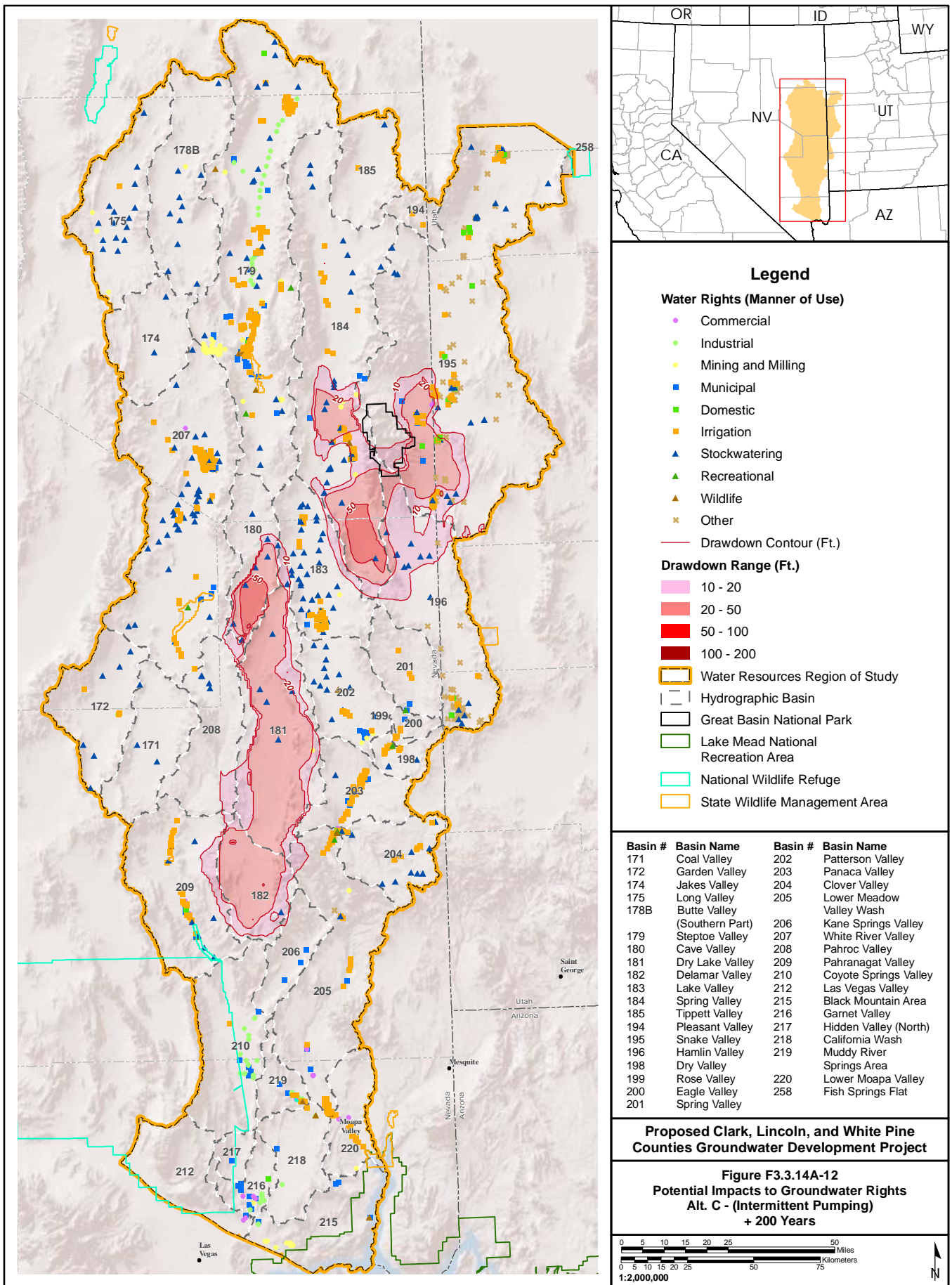
Figure F3.3.14A-10
Potential Impacts to Groundwater Rights
Alt. C - (Intermittent Pumping)
Full Build Out

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

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Legend

Water Rights (Manner of Use)

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

— Drawdown Contour (Ft.)

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

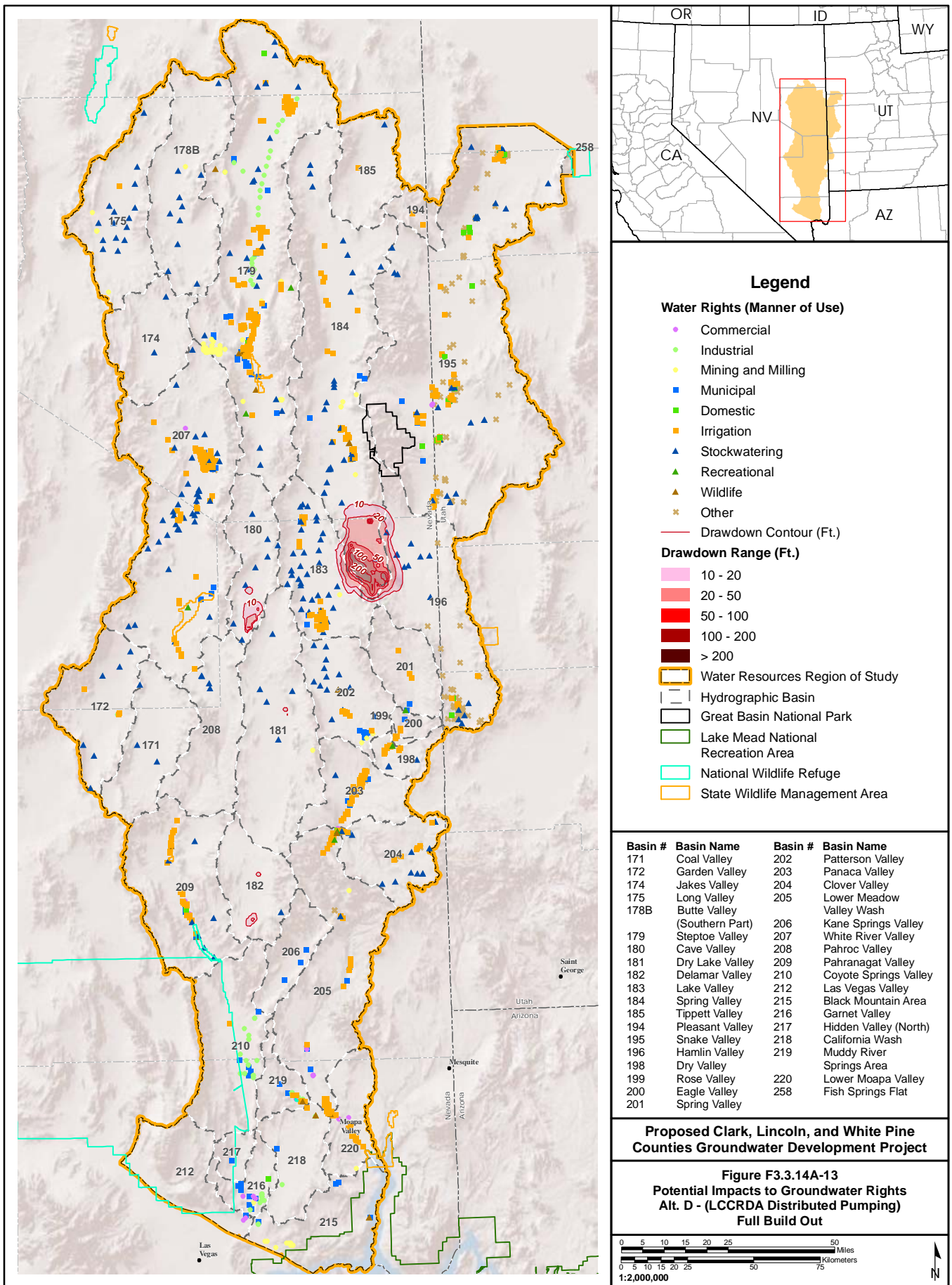
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171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahrangat Valley
182	Delamar Valley	210	Coyote Springs Valley
183	Lake Valley	212	Las Vegas 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 F3.3.14A-12
Potential Impacts to Groundwater Rights
Alt. C - (Intermittent Pumping)
+ 200 Years

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

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
- Domestic
- Irrigation
- ▲ Stockwatering
- ▲ Recreational
- ▲ Wildlife
- × Other

Drawdown Range (Ft.)

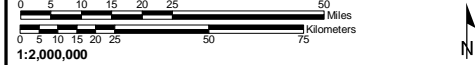
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

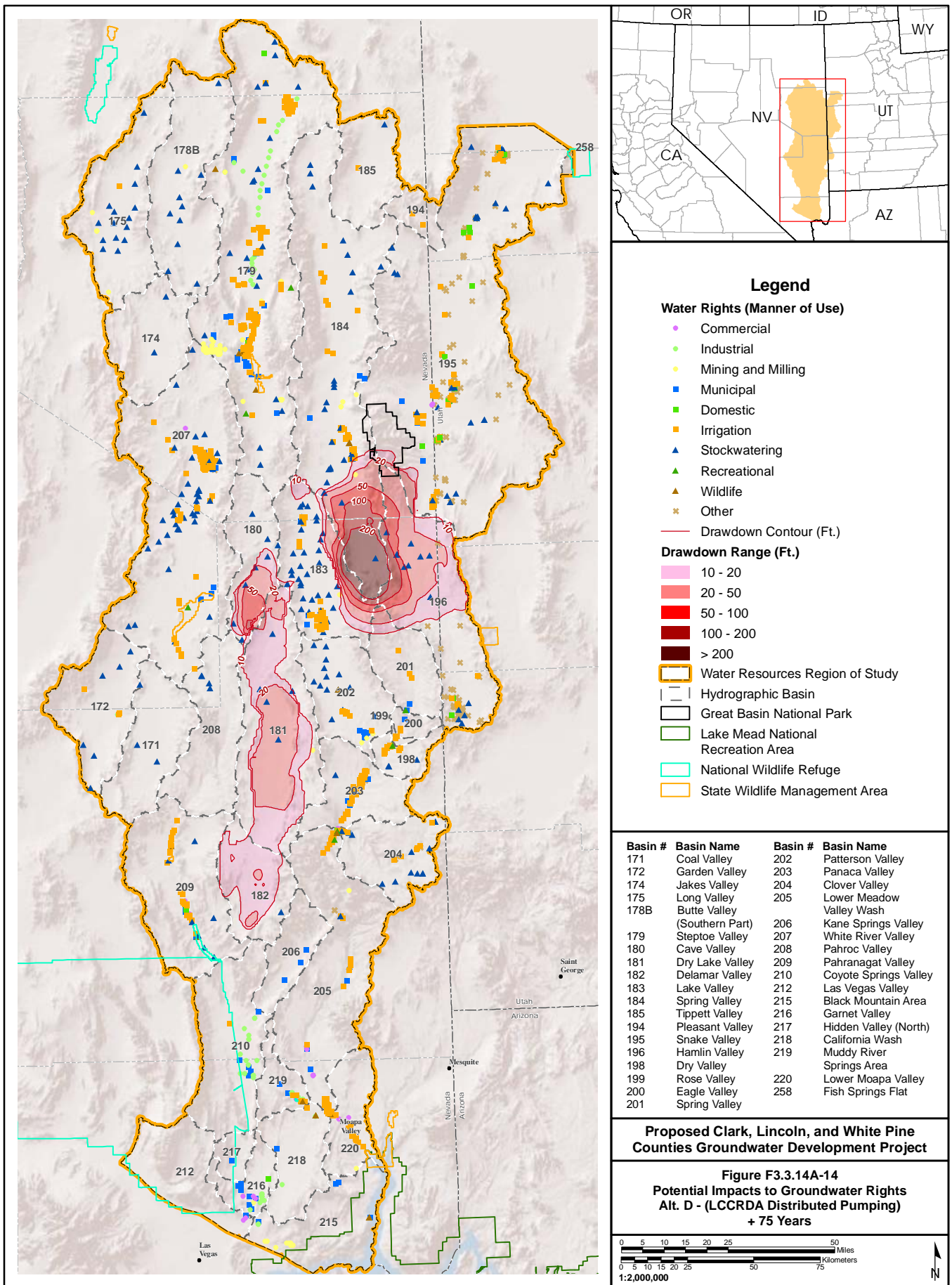
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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
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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

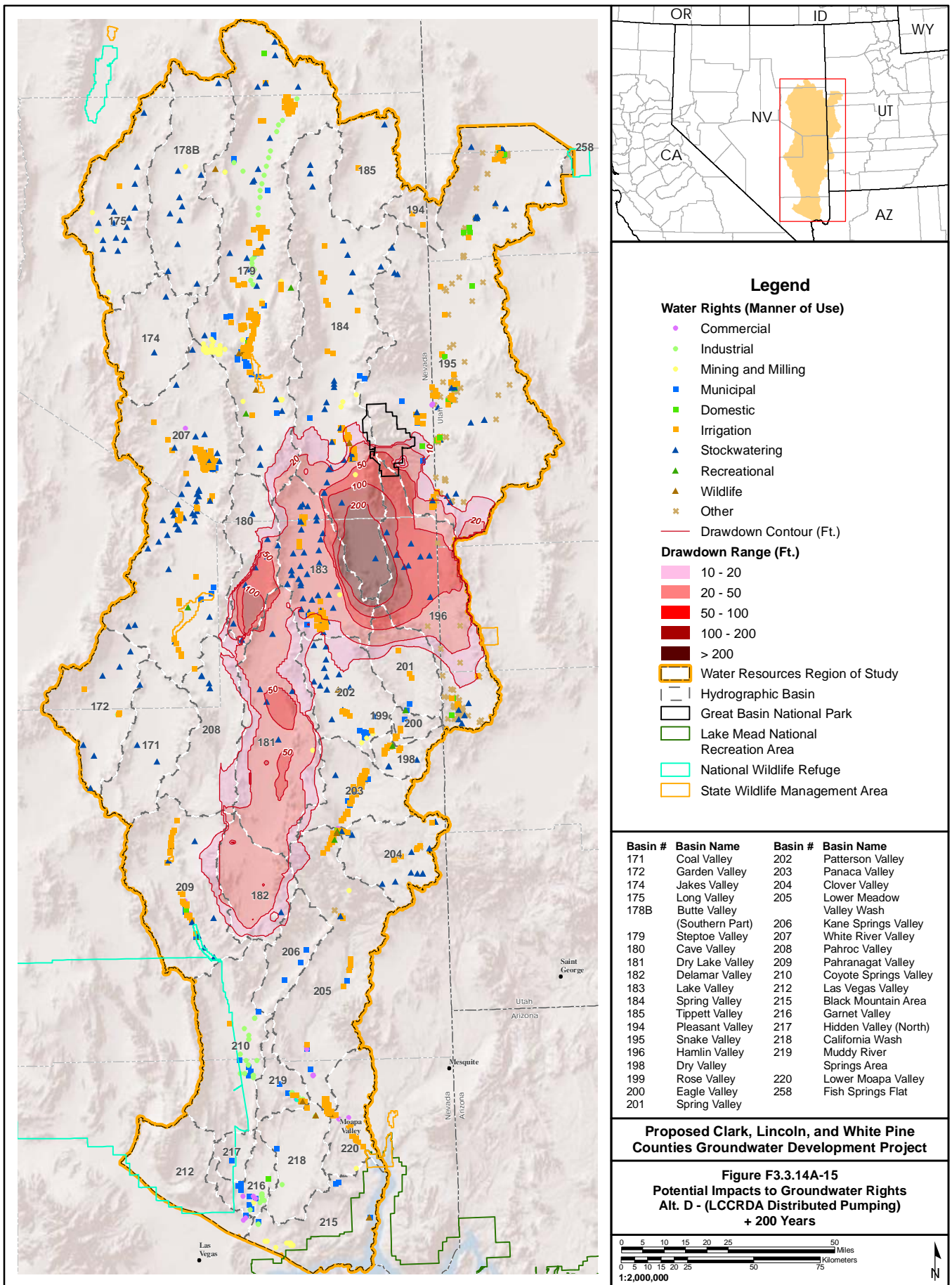
**Figure F3.3.14A-13
Potential Impacts to Groundwater Rights
Alt. D - (LCCRDA Distributed Pumping)
Full Build Out**



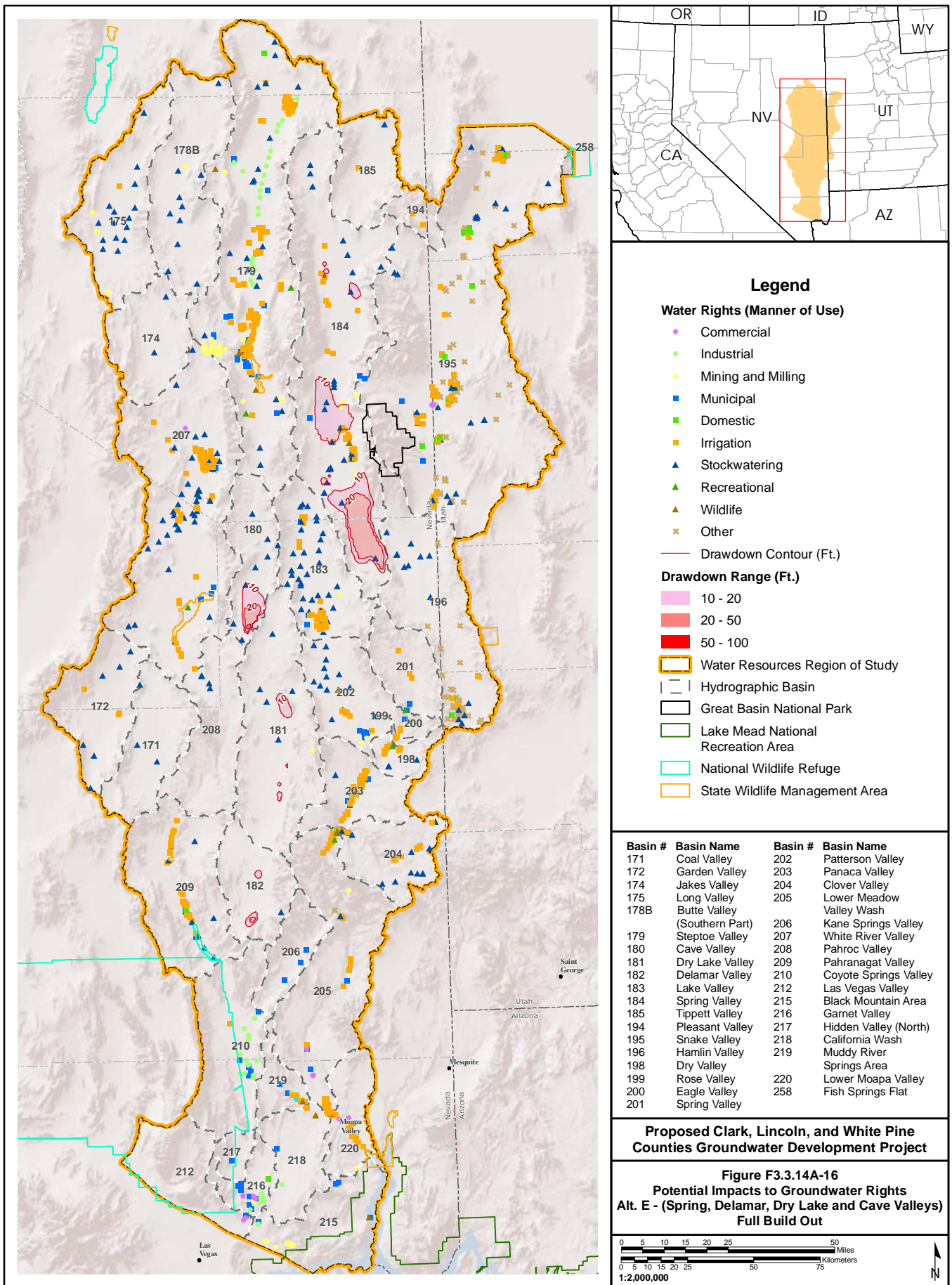
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Legend

Water Rights (Manner of Use)

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

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100

Other Features:

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
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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		

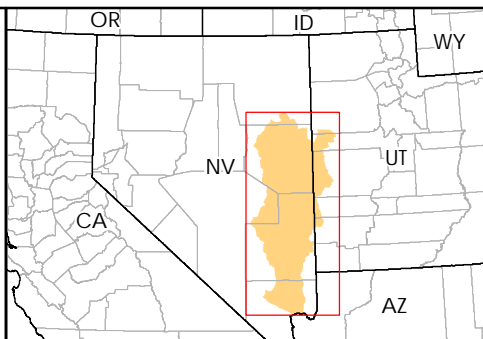
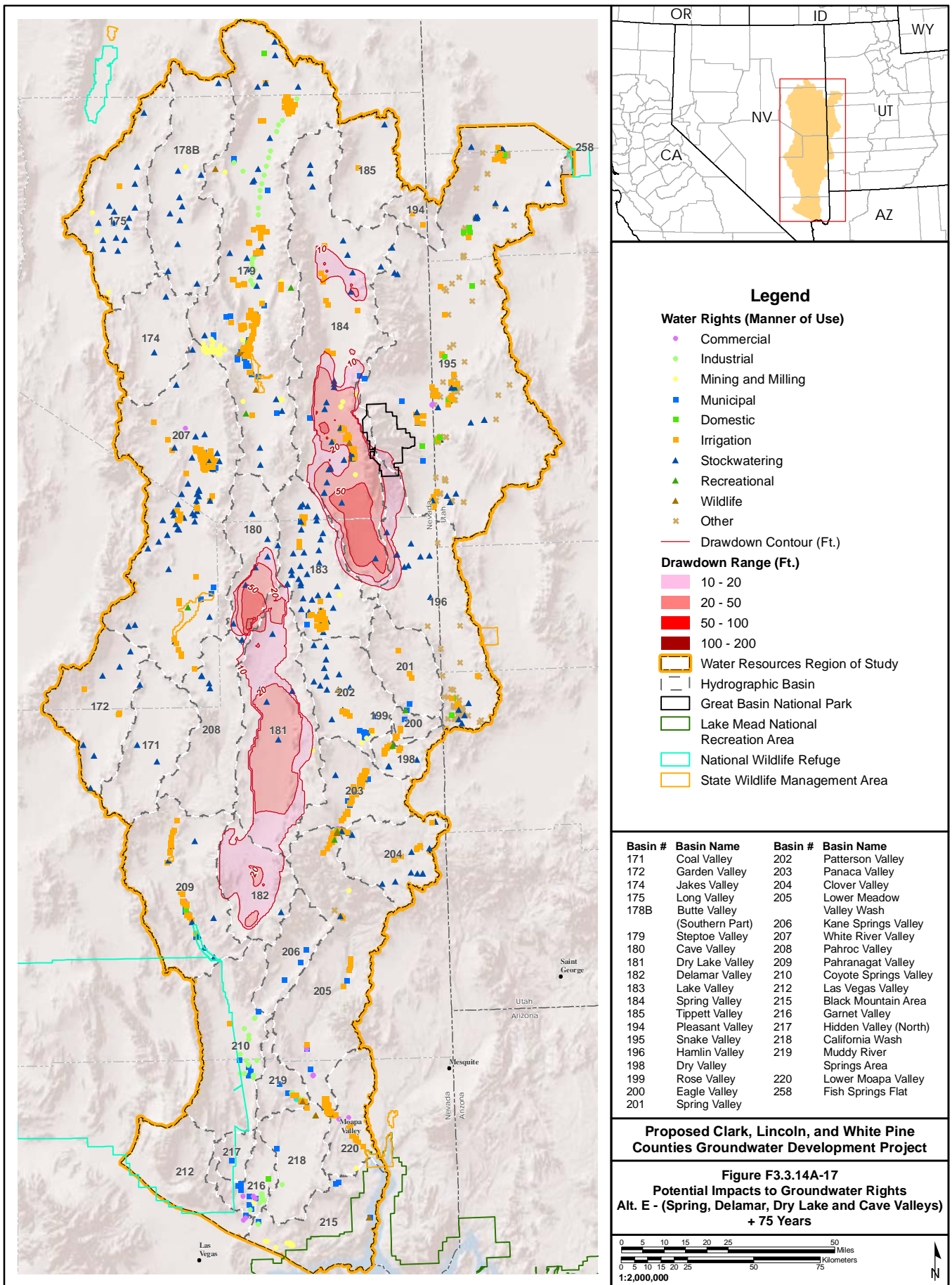
Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.14A-16
Potential Impacts to Groundwater 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

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
 - Domestic
 - Irrigation
 - ▲ Stockwatering
 - ▲ Recreational
 - ▲ Wildlife
 - × Other
- Drawdown Contour (Ft.)
- Drawdown Range (Ft.)**
- 10 - 20
 - 20 - 50
 - 50 - 100
 - 100 - 200
- Water Resources Region of Study
 - Hydrographic Basin
 - Great Basin National Park
 - Lake Mead National Recreation Area
 - National Wildlife Refuge
 - State Wildlife Management Area

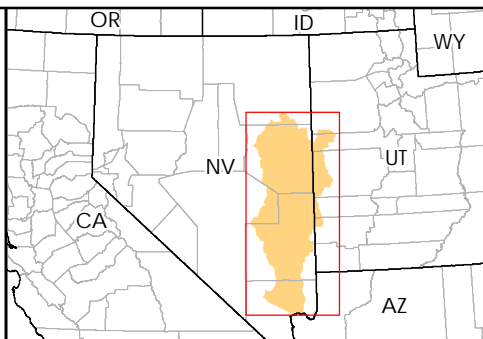
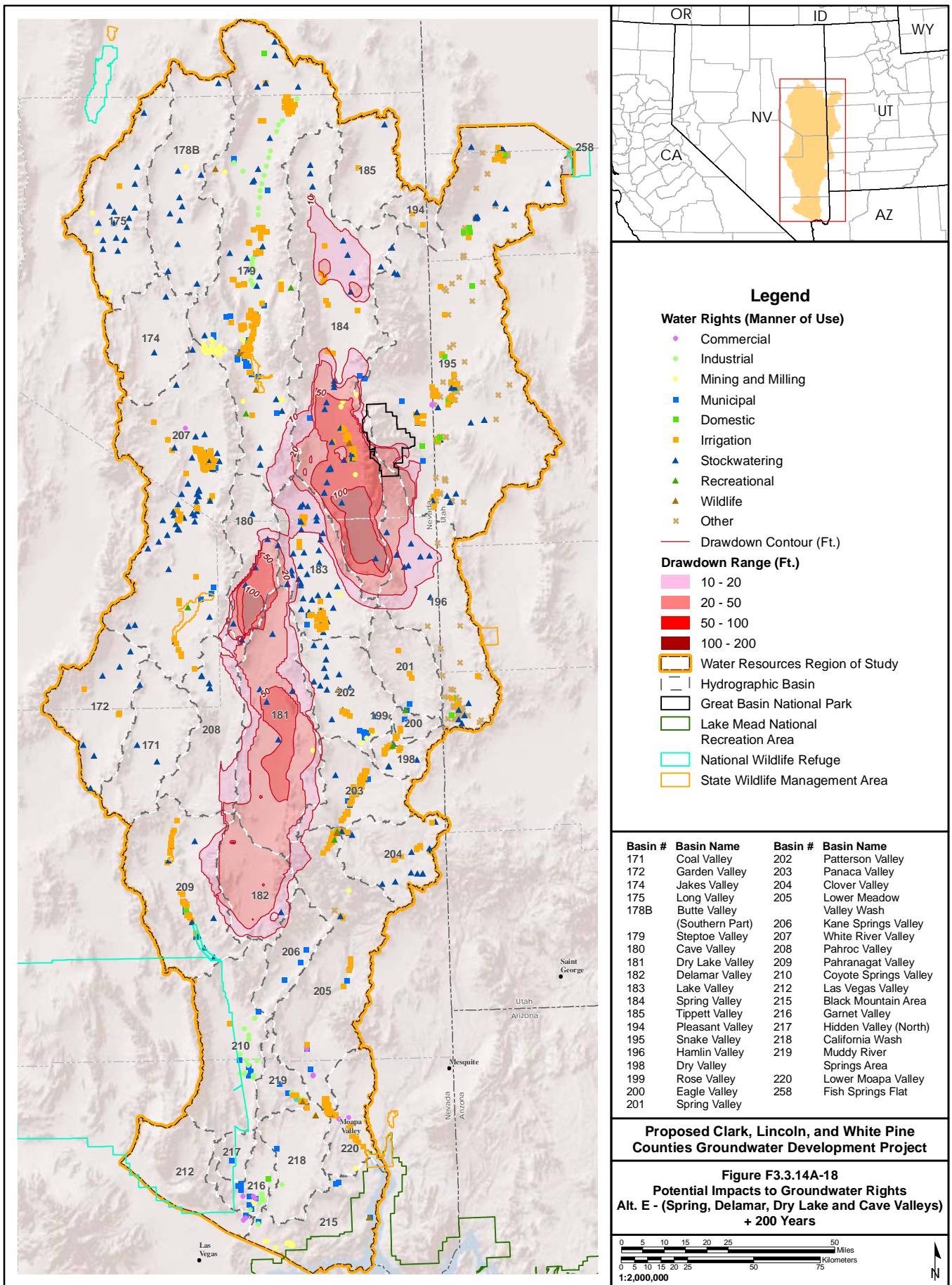
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
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179	Steptoe Valley	207	White River Valley
180	Cave Valley	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
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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	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 F3.3.14A-17
Potential Impacts to Groundwater Rights
Alt. E - (Spring, Delamar, Dry Lake and Cave Valleys)
+ 75 Years



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
 - Domestic
 - Irrigation
 - ▲ Stockwatering
 - ▲ Recreational
 - ▲ Wildlife
 - × Other
- Drawdown Contour (Ft.)
- Drawdown Range (Ft.)**
- 10 - 20
 - 20 - 50
 - 50 - 100
 - 100 - 200
- Water Resources Region of Study
 - Hydrographic Basin
 - Great Basin National Park
 - Lake Mead National Recreation Area
 - National Wildlife Refuge
 - State Wildlife Management Area

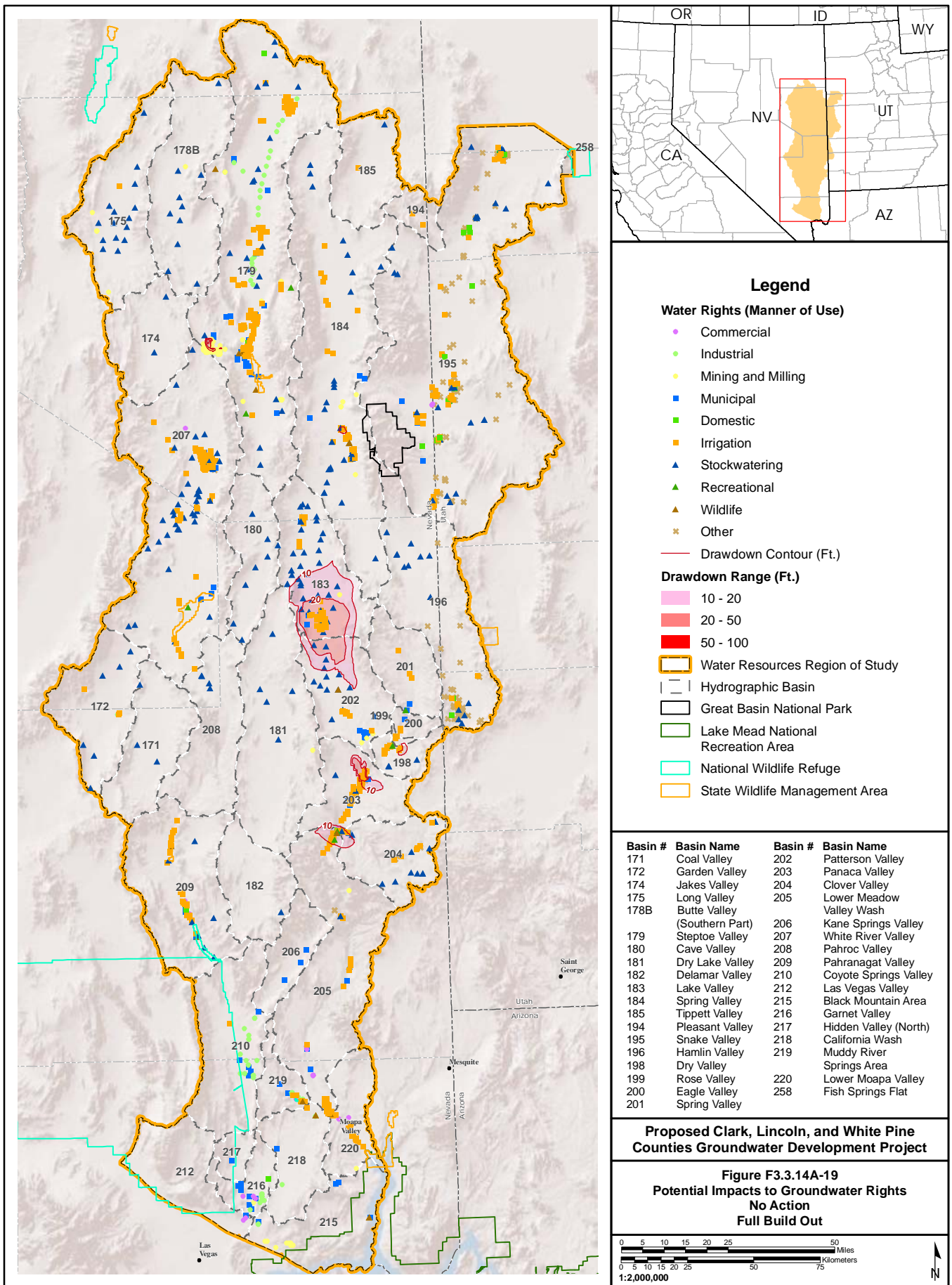
Basin #	Basin Name	Basin #	Basin Name
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172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
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179	Steptoe Valley	207	White River Valley
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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 F3.3.14A-18
Potential Impacts to Groundwater Rights
Alt. E - (Spring, Delamar, Dry Lake and Cave Valleys)
+ 200 Years



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
- Domestic
- Irrigation
- ▲ Stockwatering
- ▲ Recreational
- ▲ Wildlife
- × Other

— Drawdown Contour (Ft.)

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100

▭ Water Resources Region of Study

▭ Hydrographic Basin

▭ Great Basin National Park

▭ Lake Mead National Recreation Area

▭ National Wildlife Refuge

▭ State Wildlife Management Area

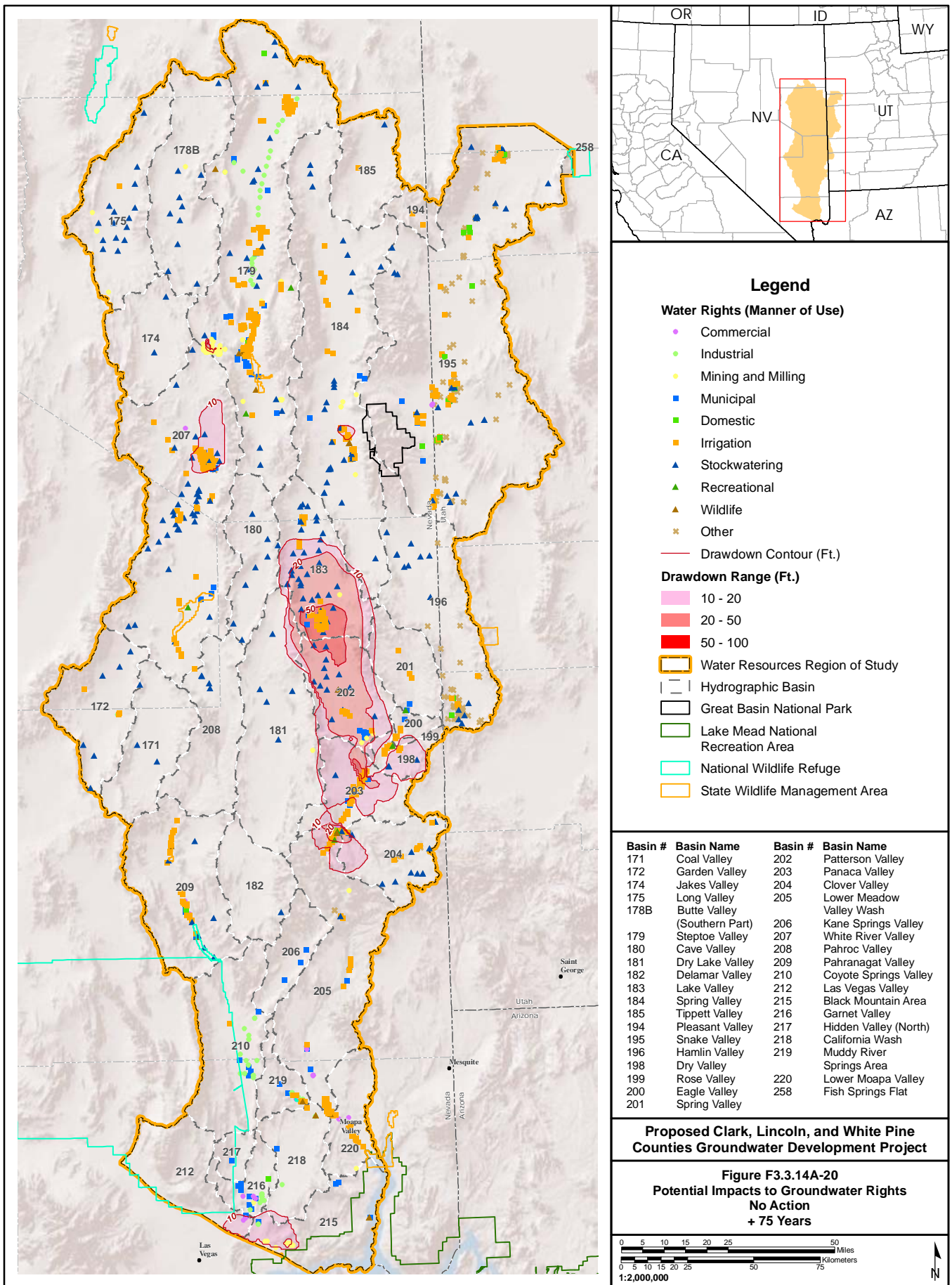
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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

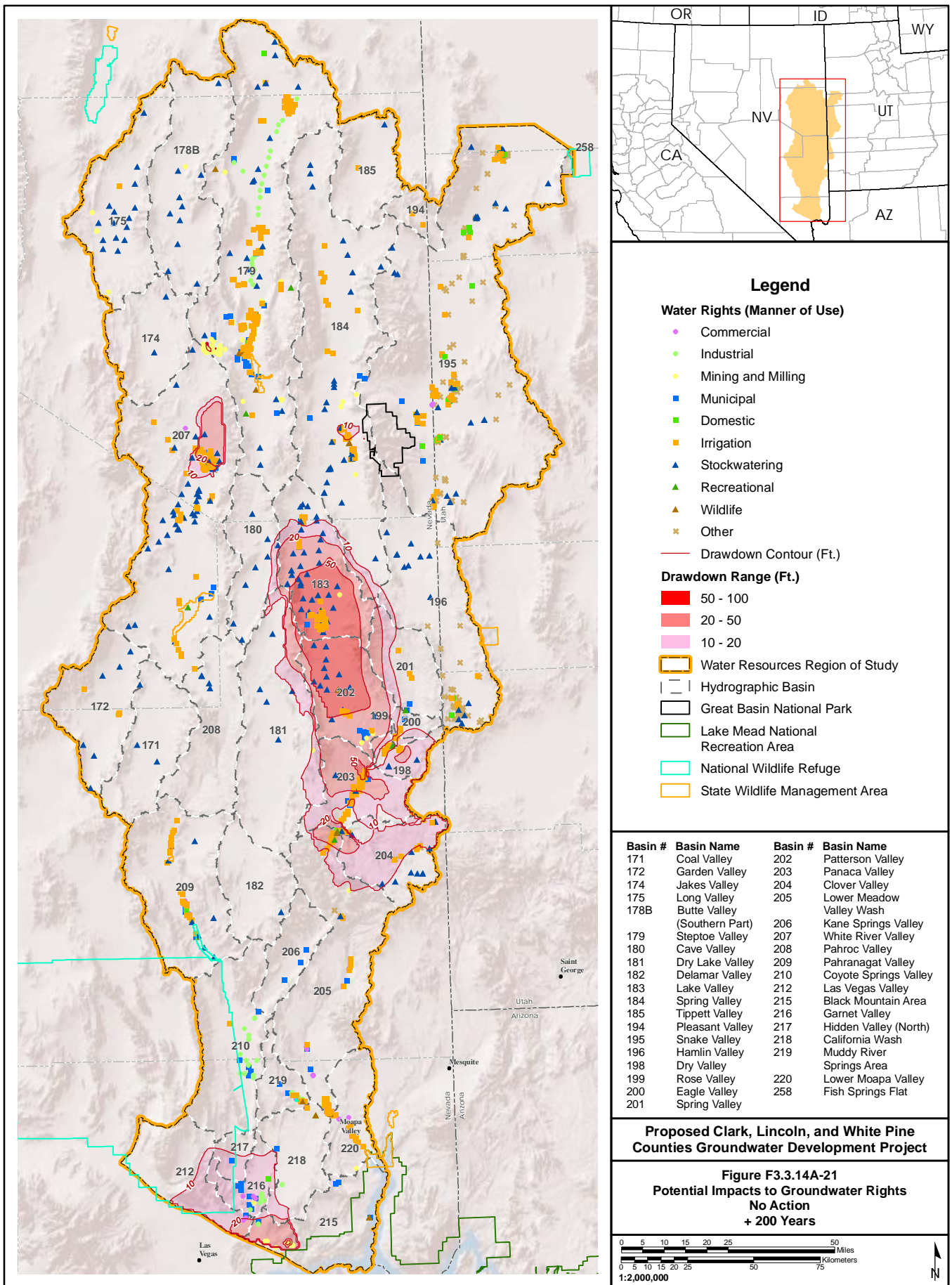
Figure F3.3.14A-19
Potential Impacts to Groundwater Rights
No Action
Full Build Out

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

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.



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
- Domestic
- Irrigation
- ▲ Stockwatering
- ▲ Recreational
- ▲ Wildlife
- ✖ Other

Drawdown Range (Ft.)

- 50 - 100
- 20 - 50
- 10 - 20

Other Features:

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

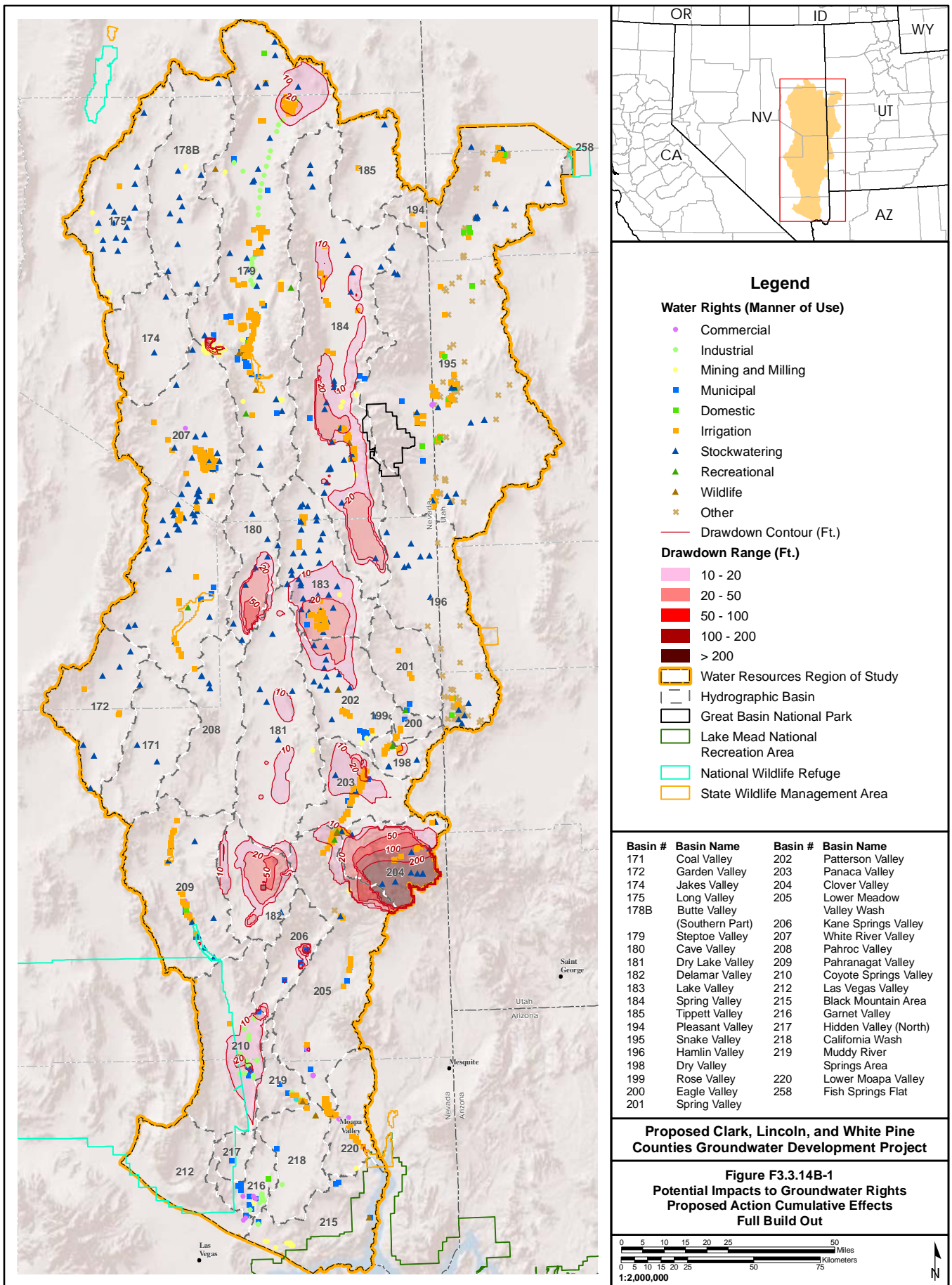
Basin #	Basin Name	Basin #	Basin Name
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172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
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199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

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

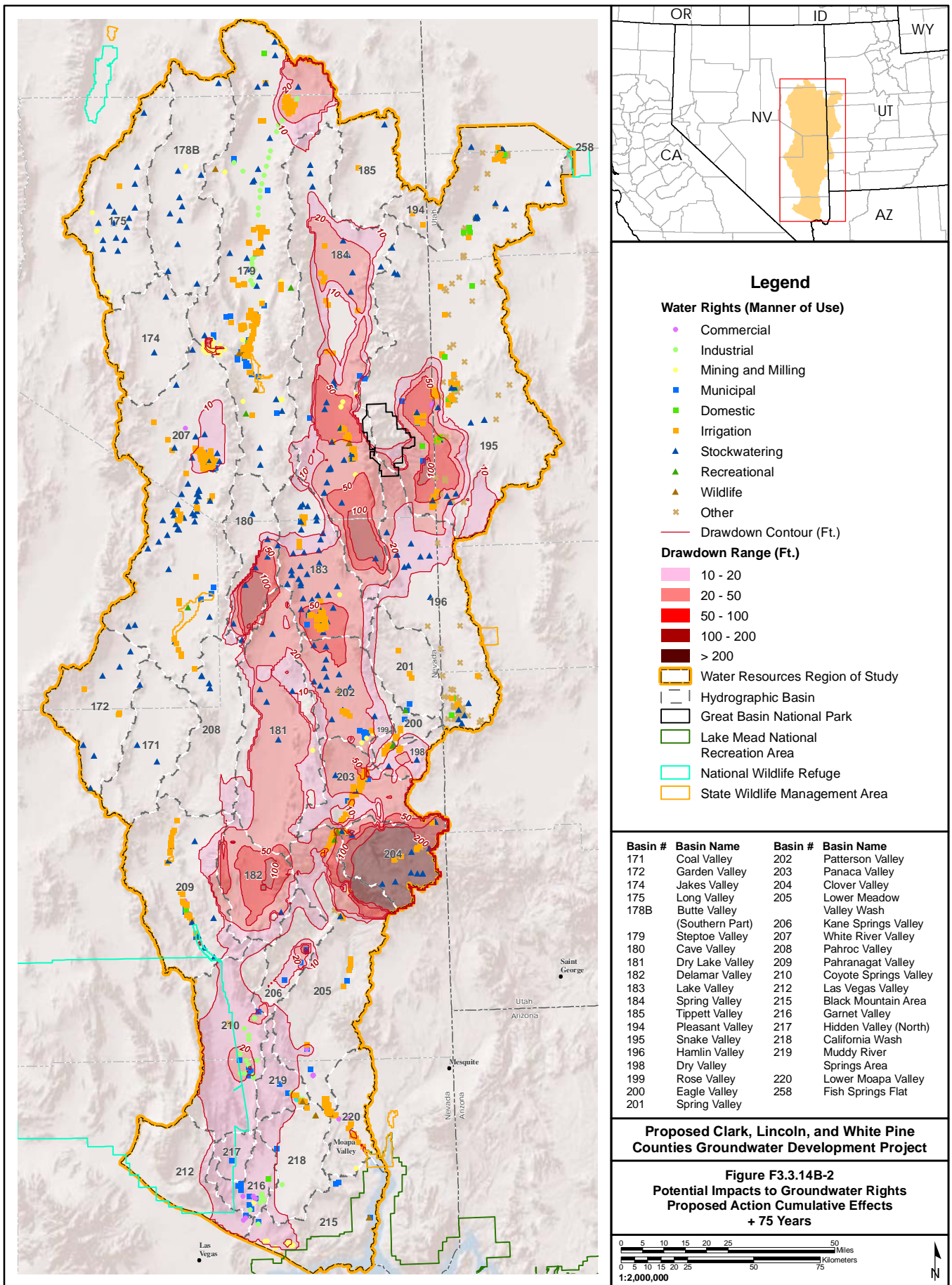
Figure F3.3.14A-21
Potential Impacts to Groundwater Rights
No Action
+ 200 Years

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

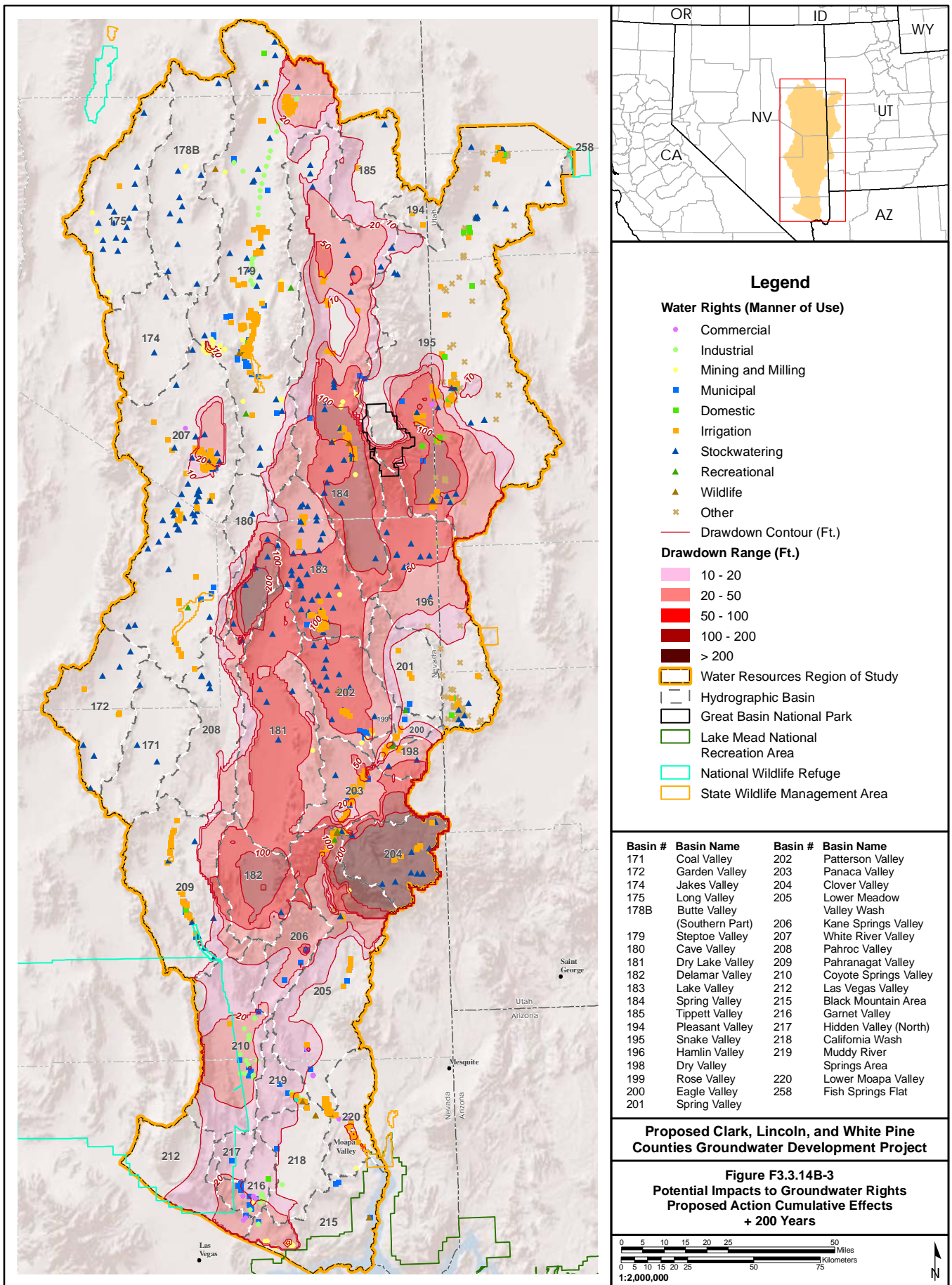
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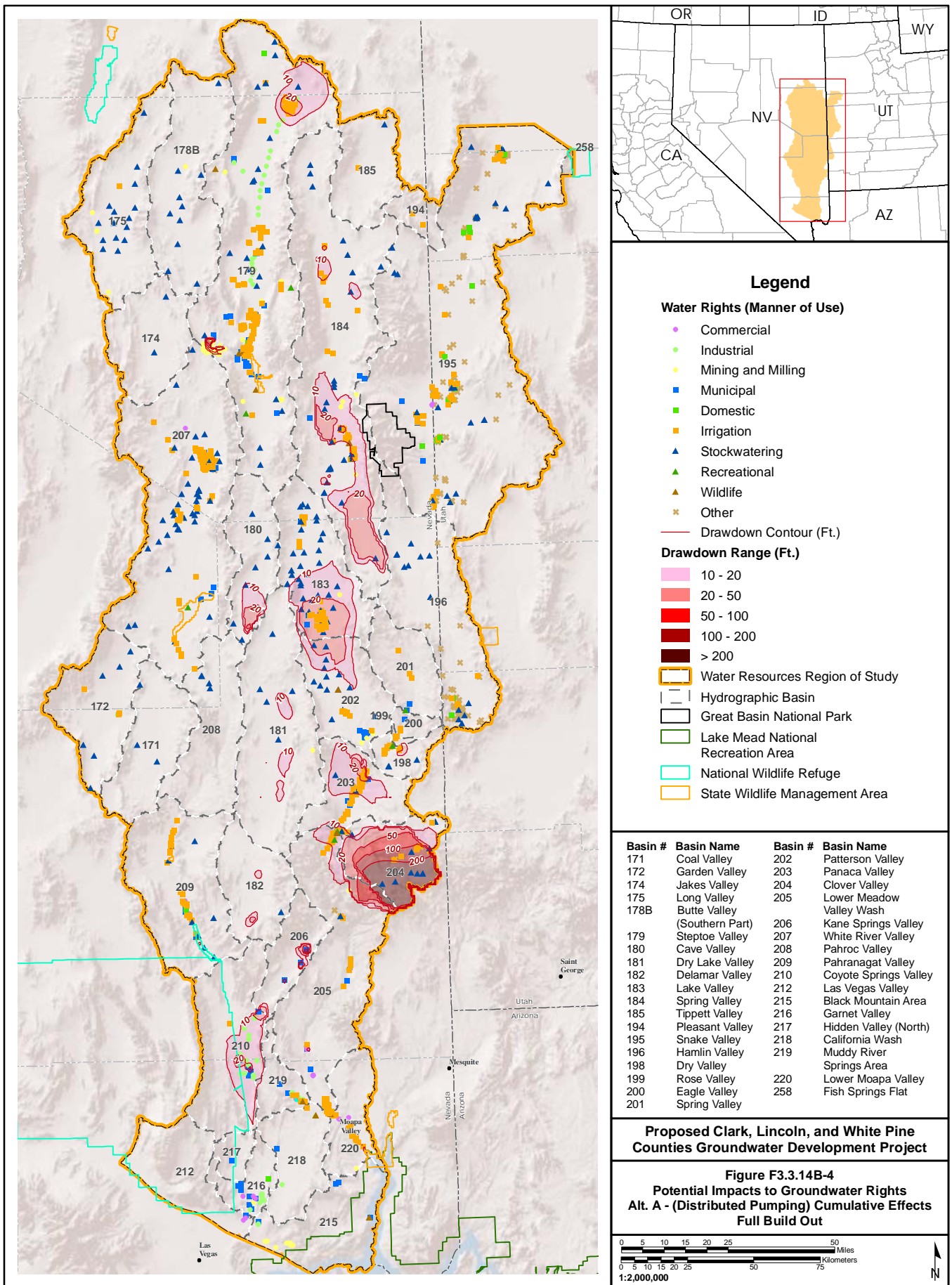
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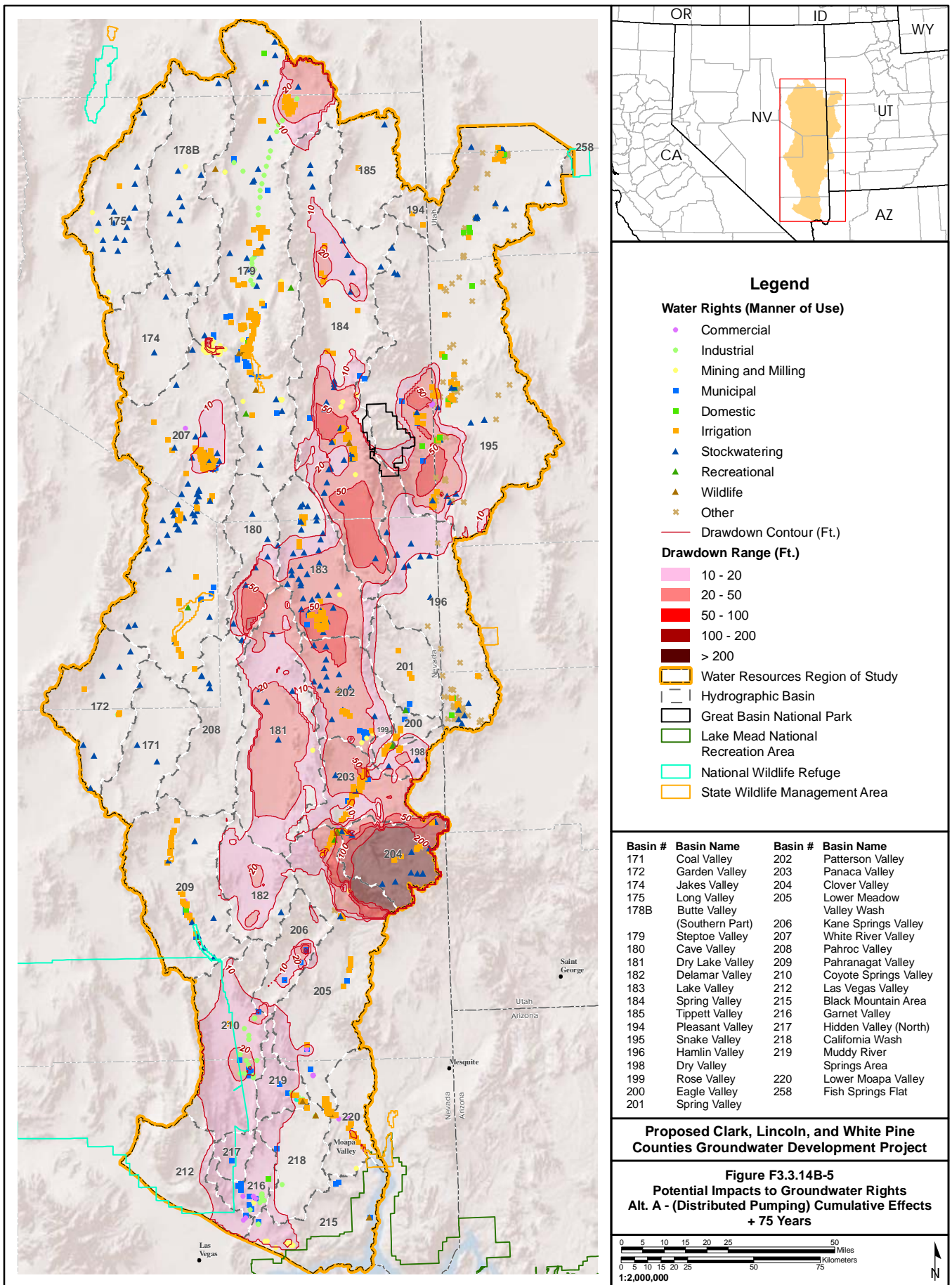
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



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Legend

Water Rights (Manner of Use)

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

— Drawdown Contour (Ft.)

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
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179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
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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		

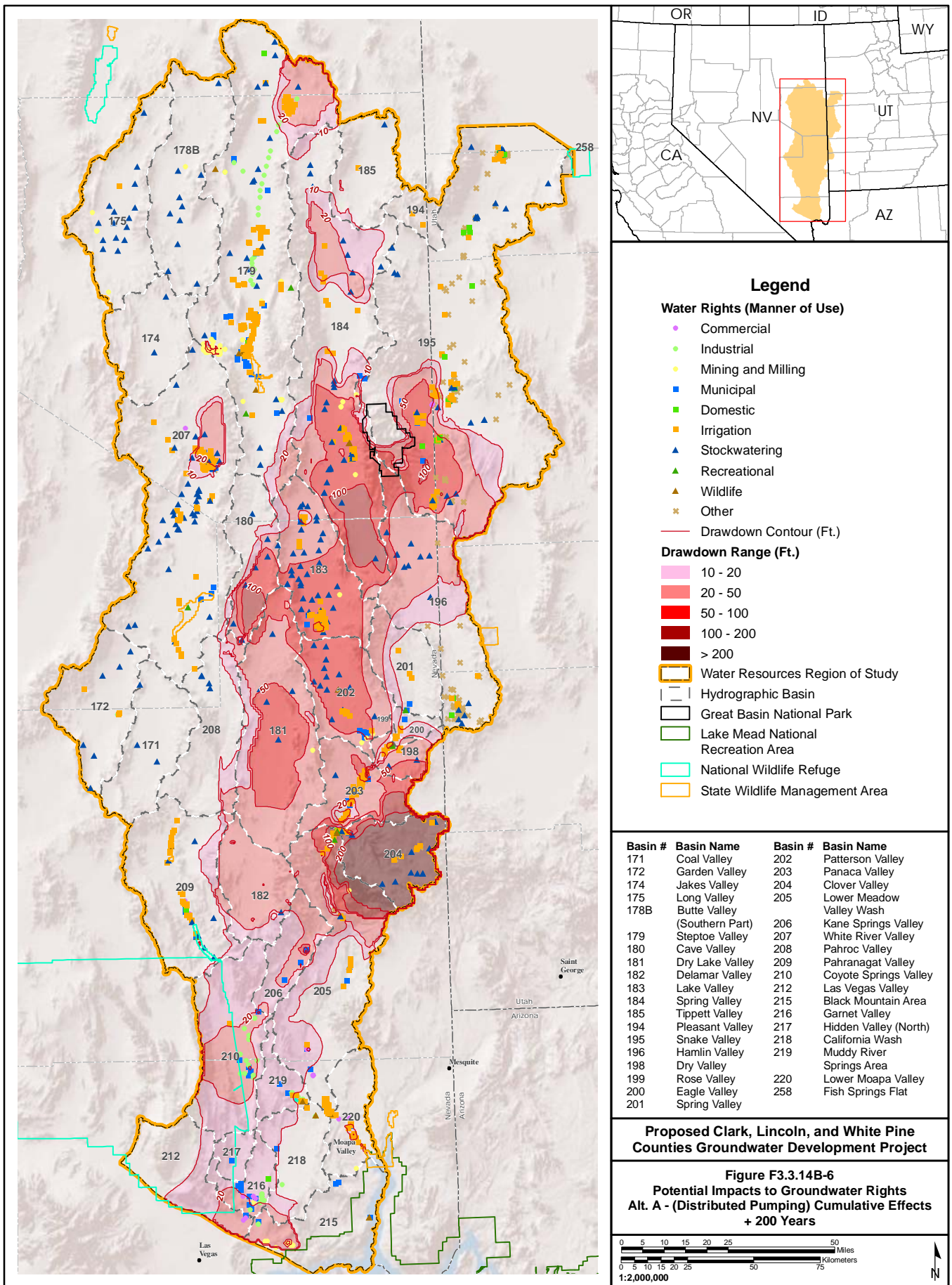
Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.14B-5
Potential Impacts to Groundwater Rights
Alt. A - (Distributed Pumping) Cumulative Effects + 75 Years

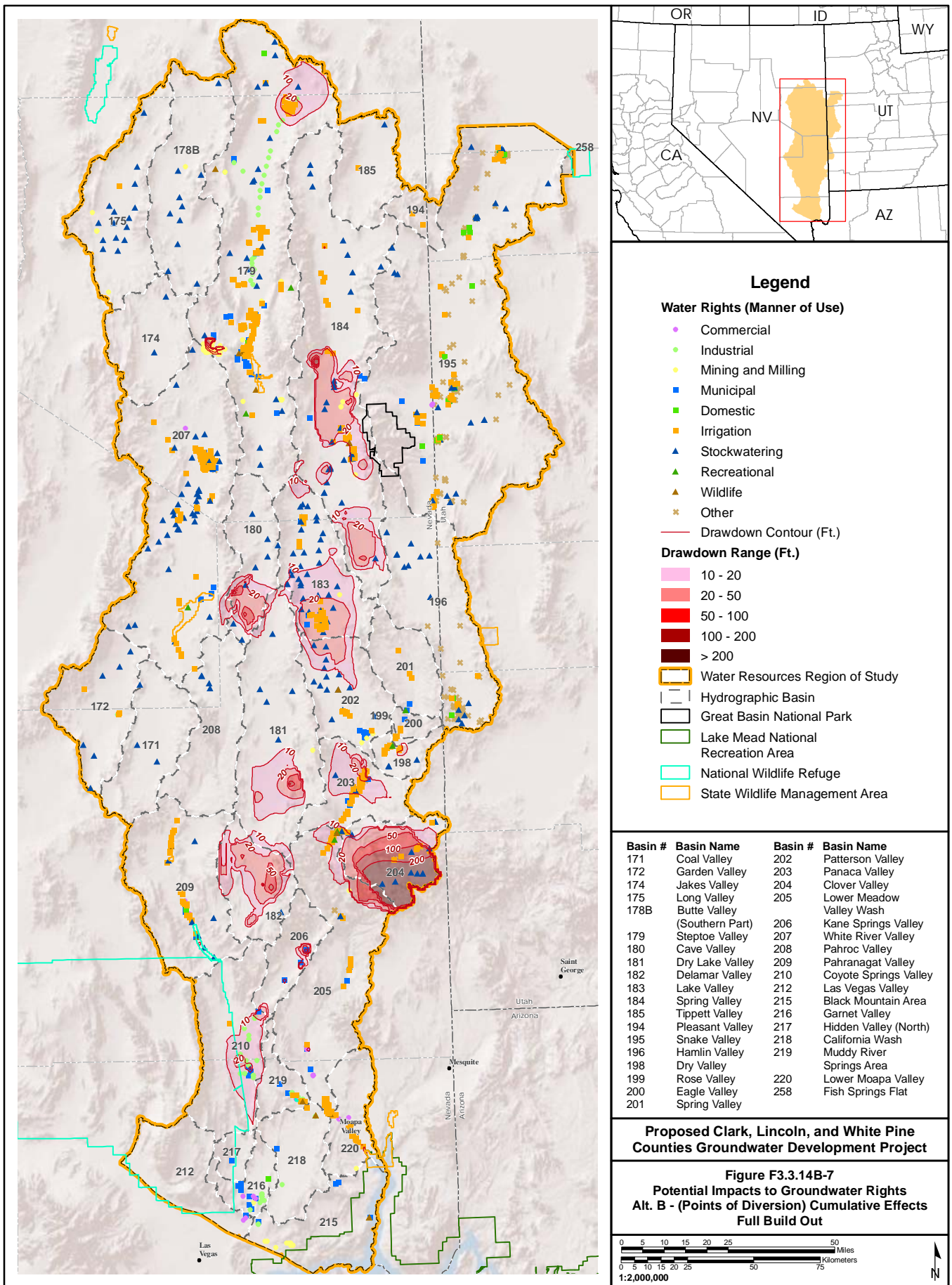
0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers

1:2,000,000

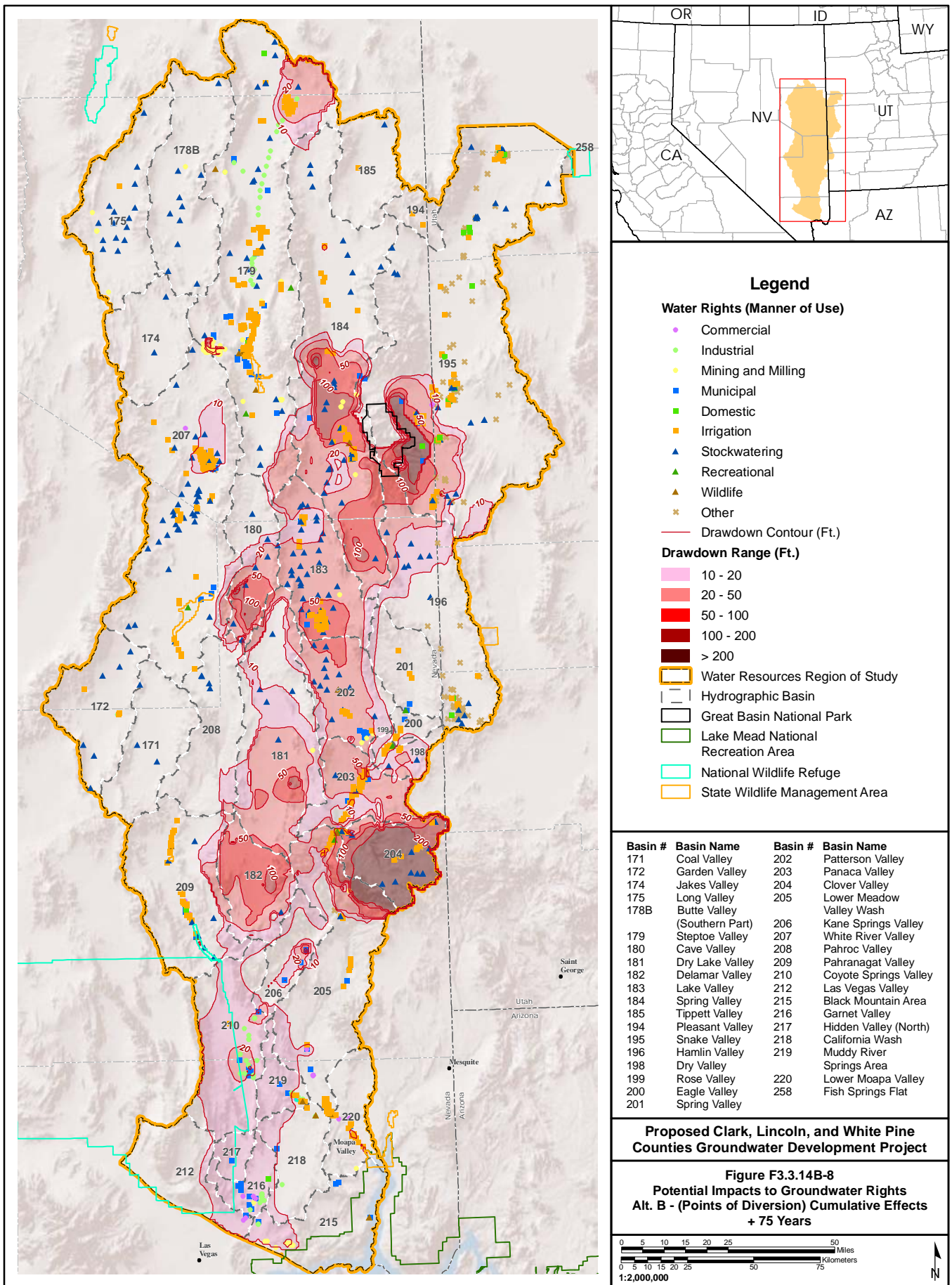
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



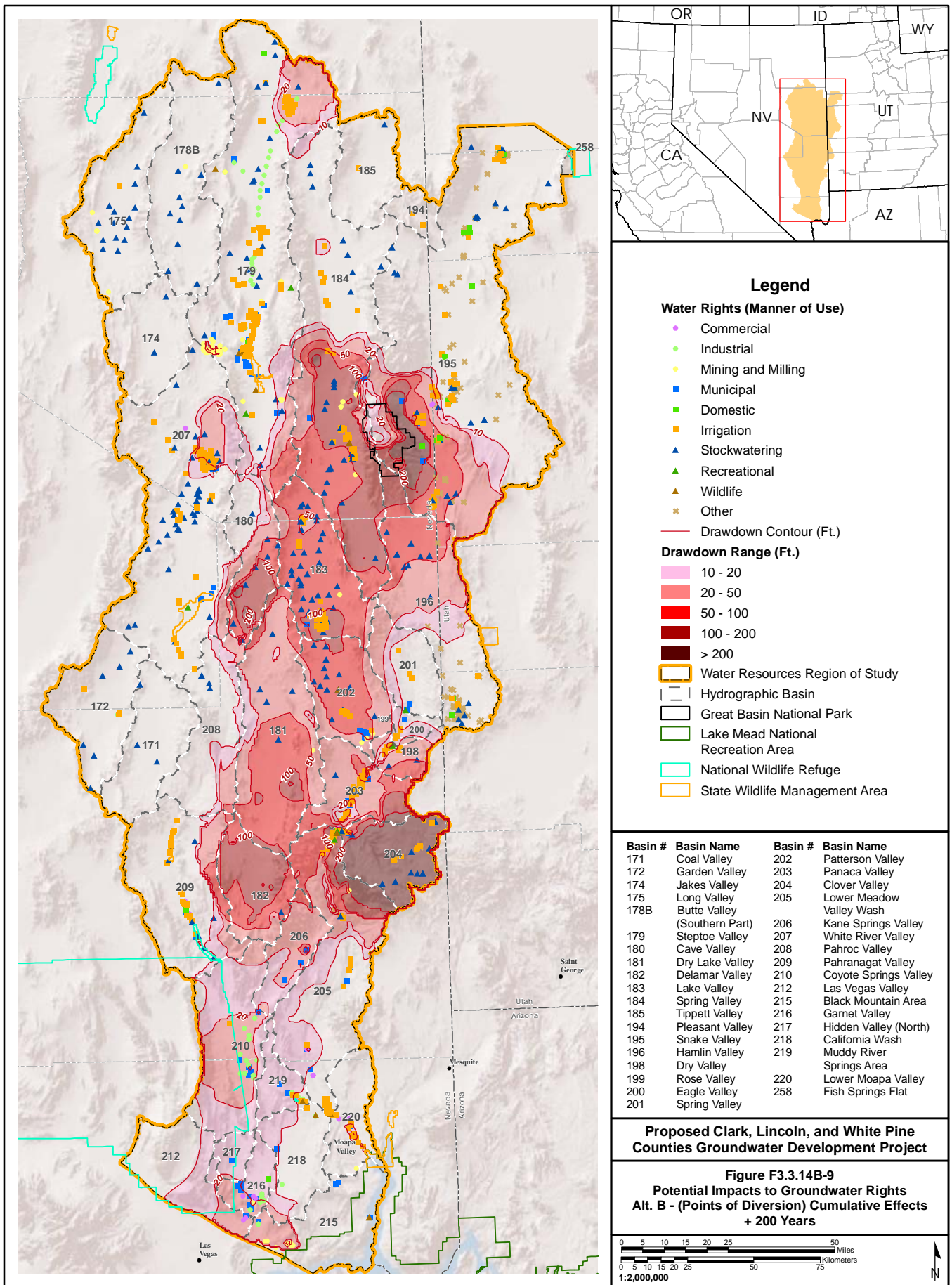
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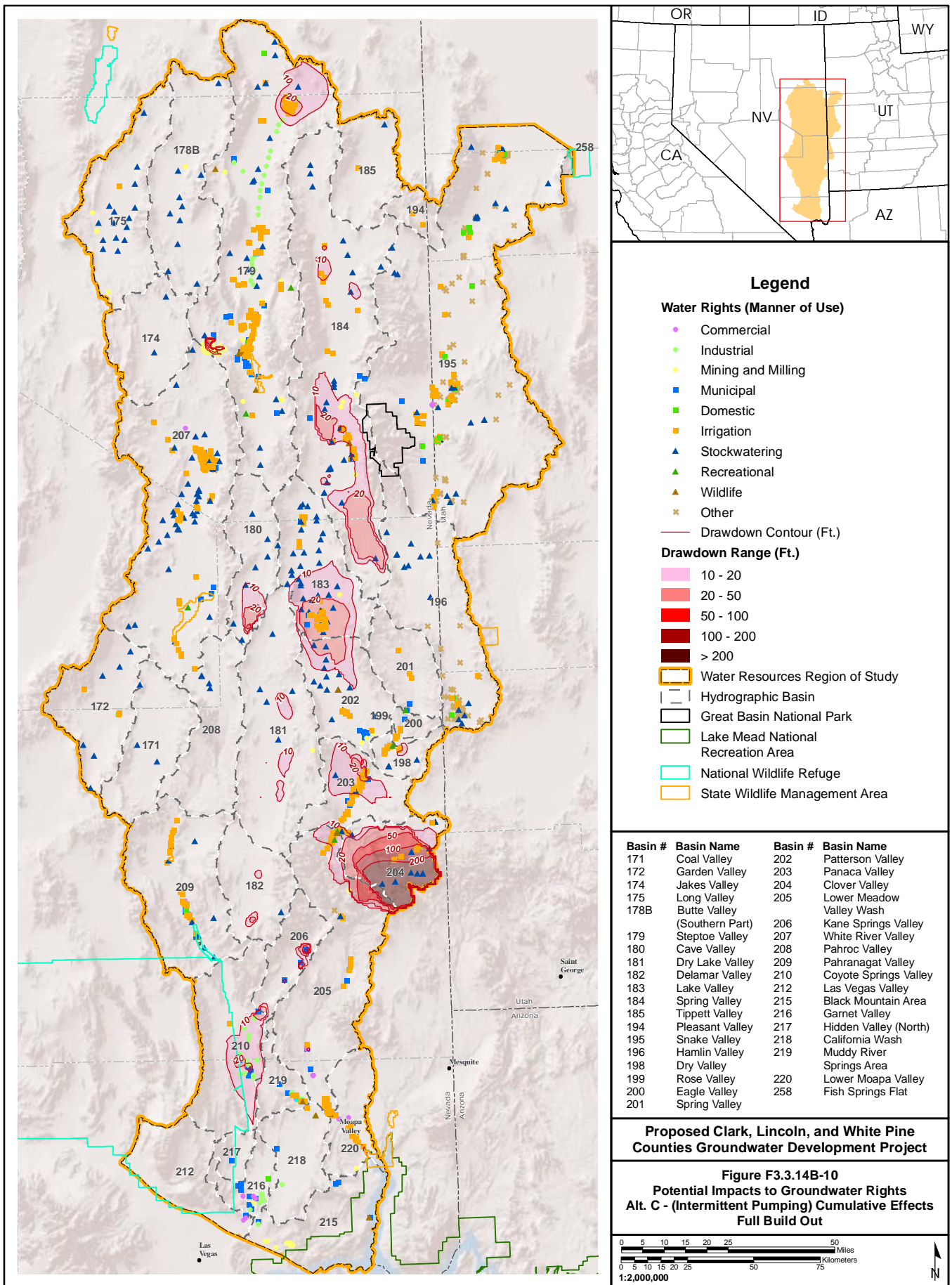
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



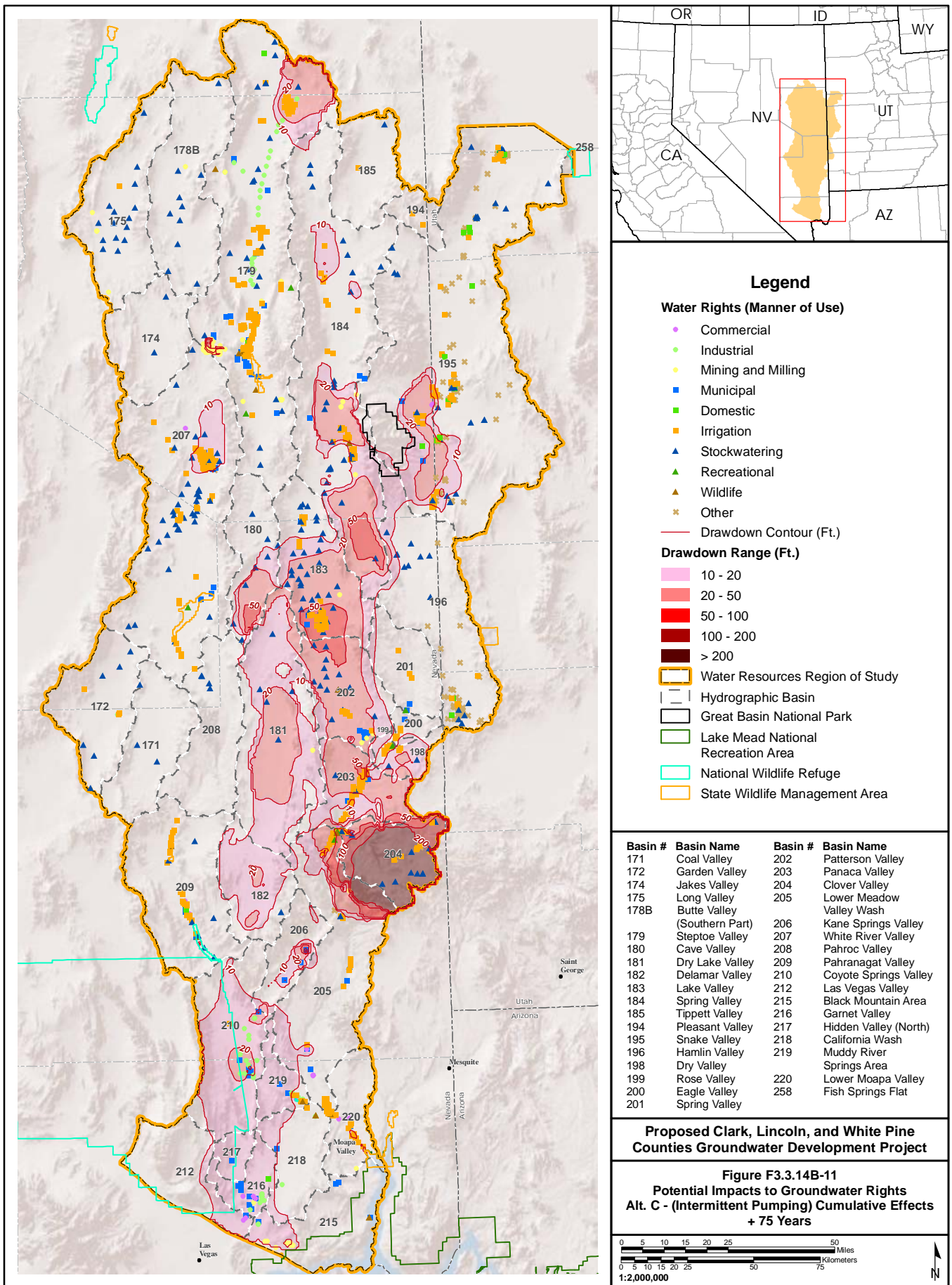
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Legend

Water Rights (Manner of Use)

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

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

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199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

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

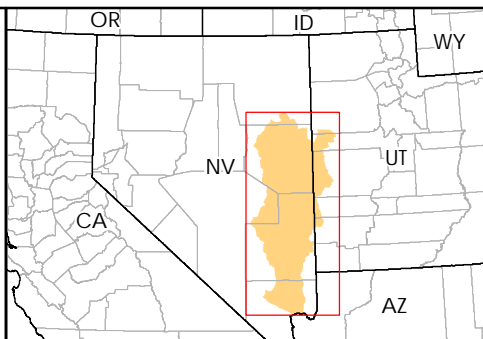
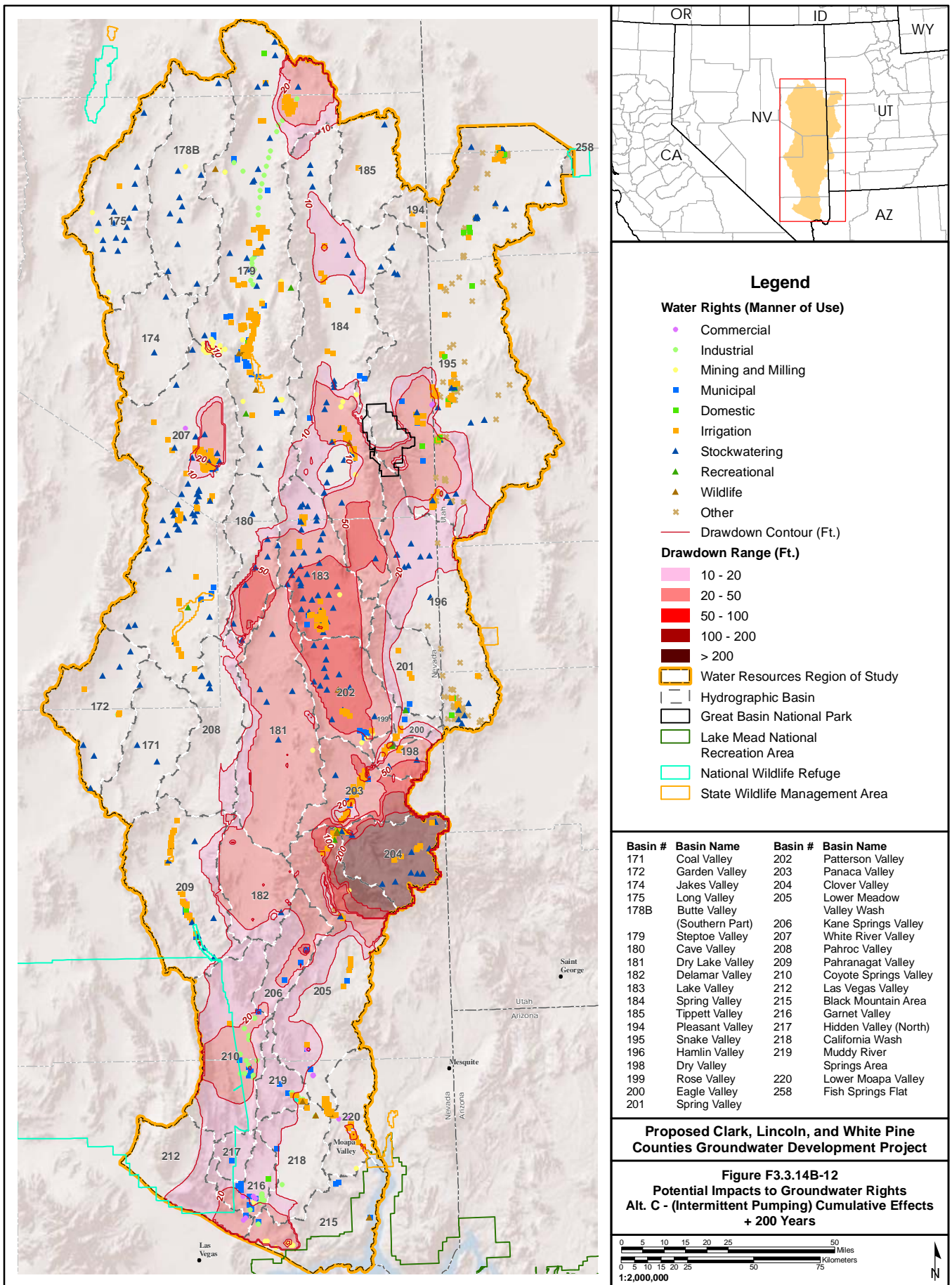
Figure F3.3.14B-11
Potential Impacts to Groundwater Rights
Alt. C - (Intermittent Pumping) Cumulative Effects + 75 Years

0 5 10 15 20 25 50 Miles

0 5 10 15 20 25 50 75 Kilometers

1:2,000,000

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
 - Domestic
 - Irrigation
 - ▲ Stockwatering
 - ▲ Recreational
 - ▲ Wildlife
 - × Other

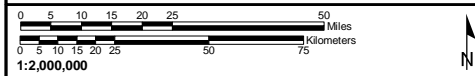
- Drawdown Range (Ft.)**
- 10 - 20
 - 20 - 50
 - 50 - 100
 - 100 - 200
 - > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

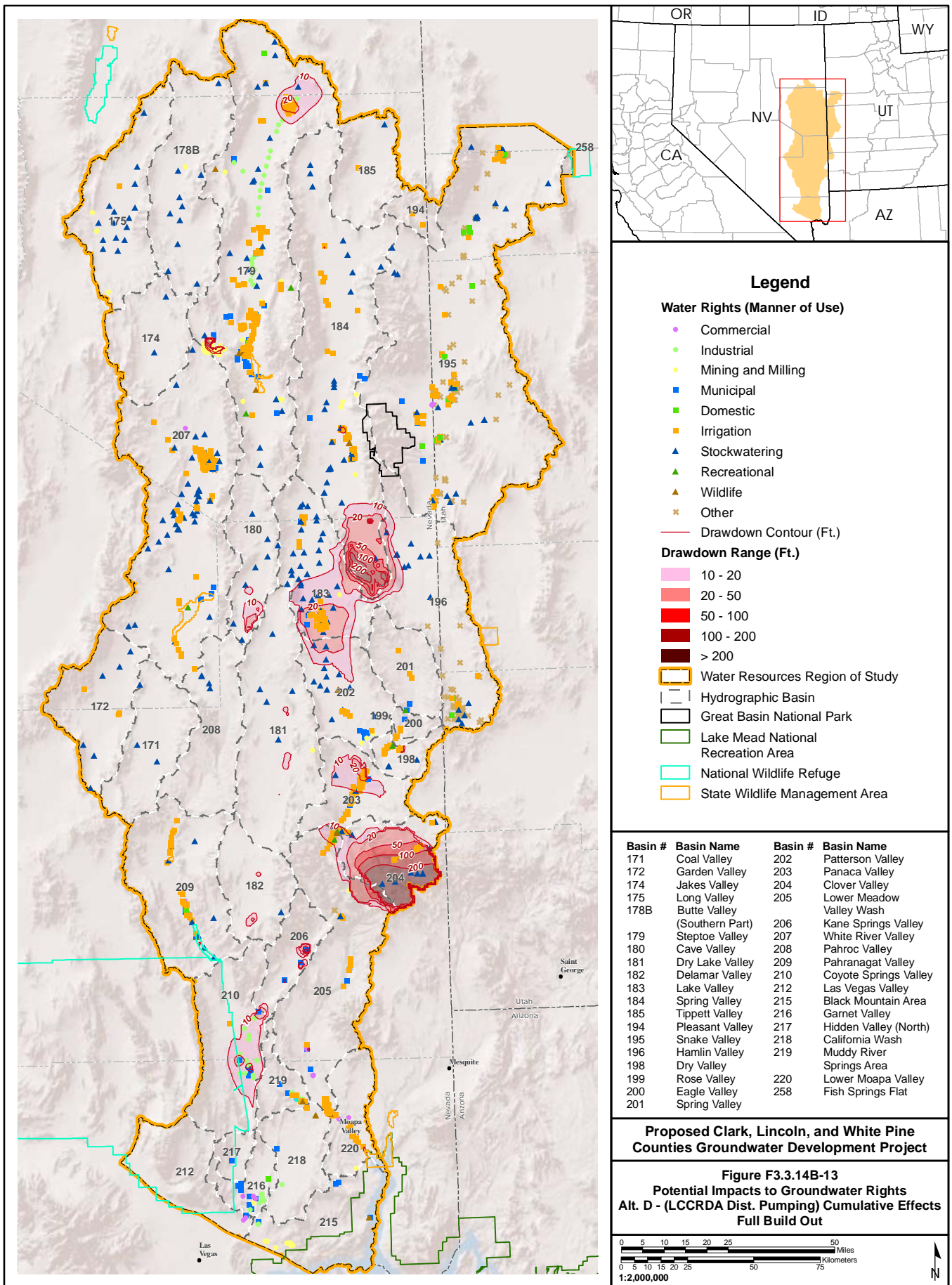
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198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

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

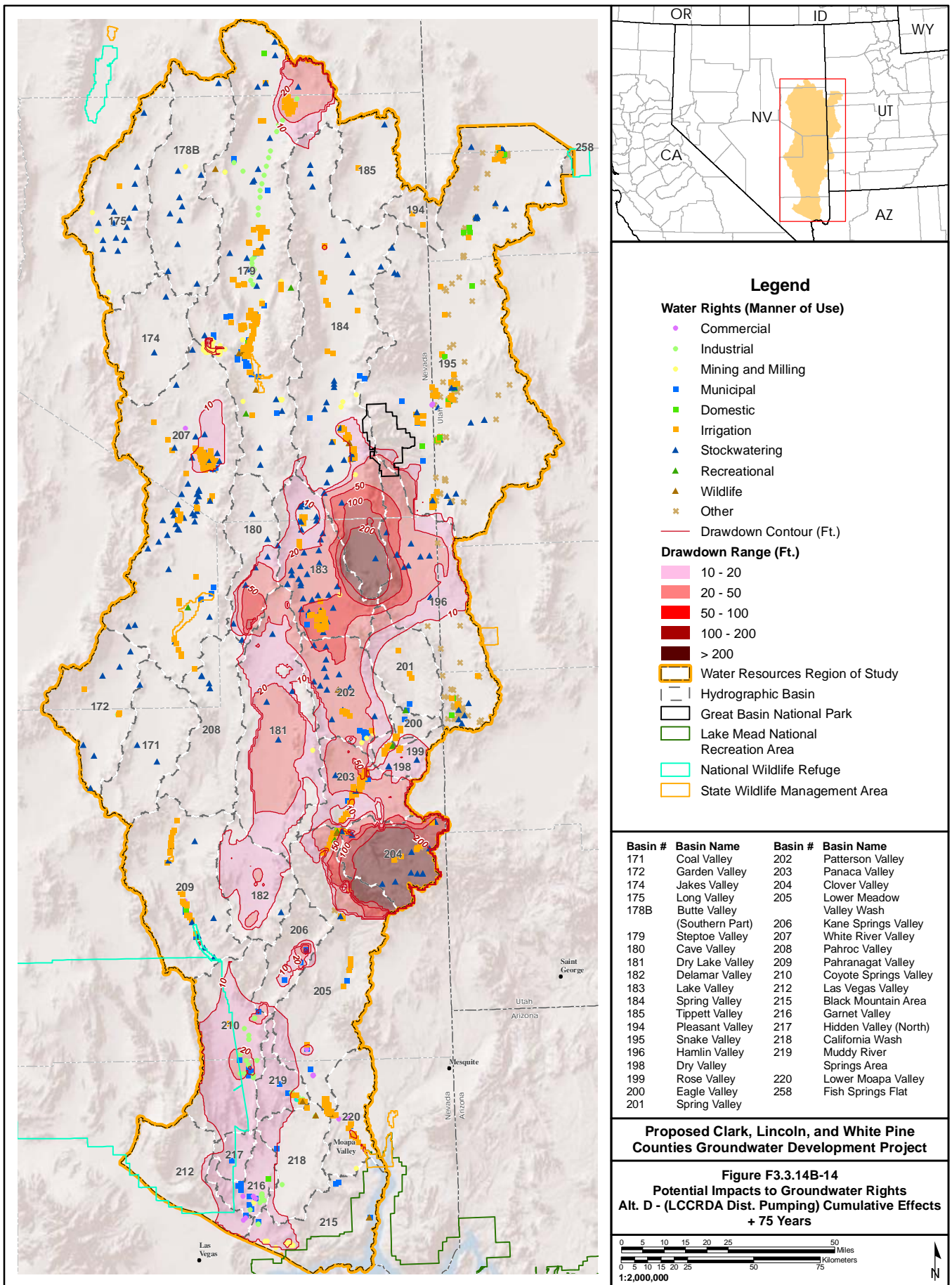
Figure F3.3.14B-12
Potential Impacts to Groundwater Rights
Alt. C - (Intermittent Pumping) Cumulative Effects + 200 Years



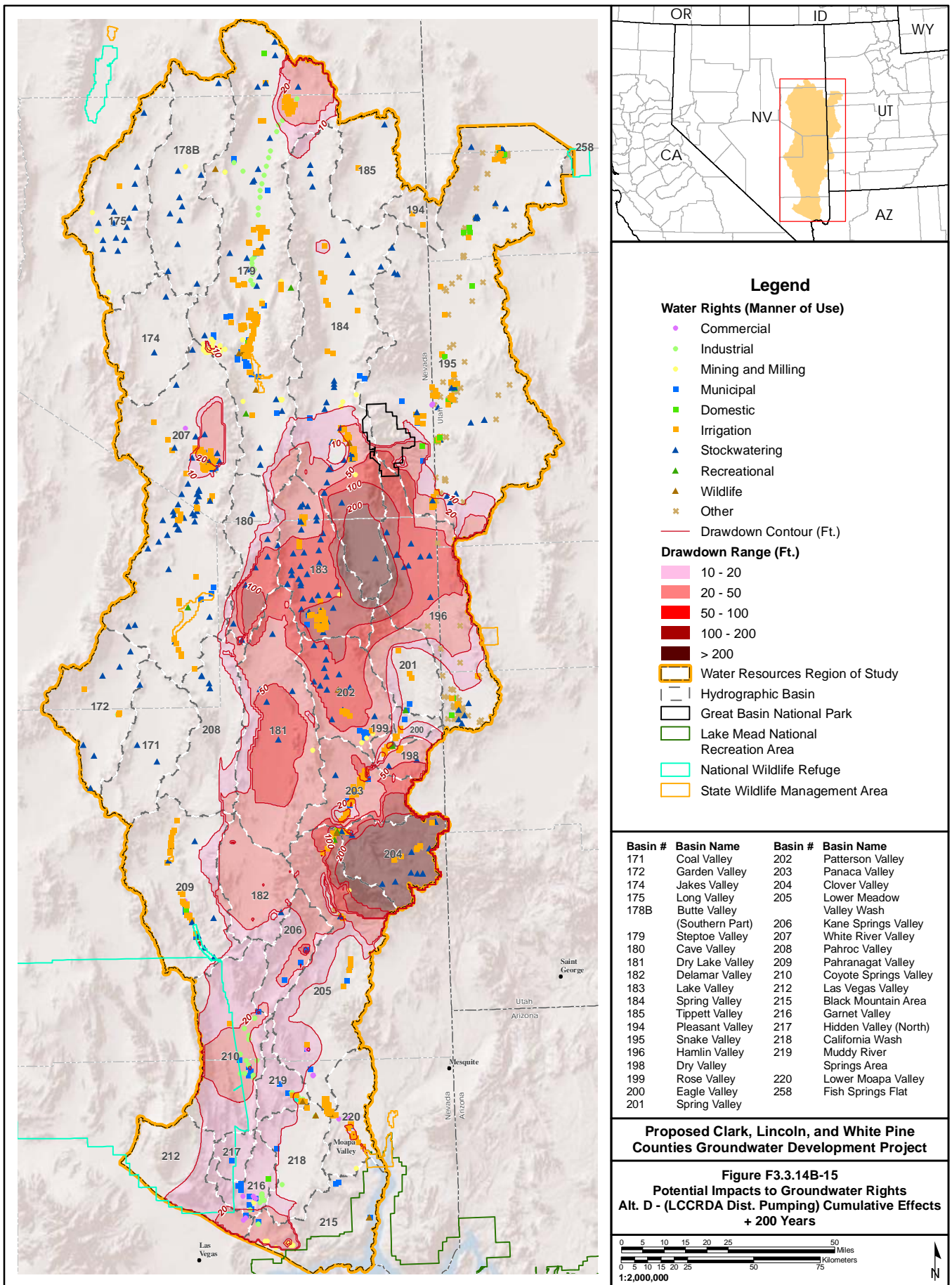
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Legend

Water Rights (Manner of Use)

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

— Drawdown Contour (Ft.)

Drawdown Range (Ft.)

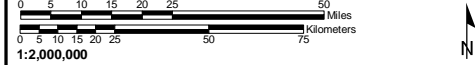
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

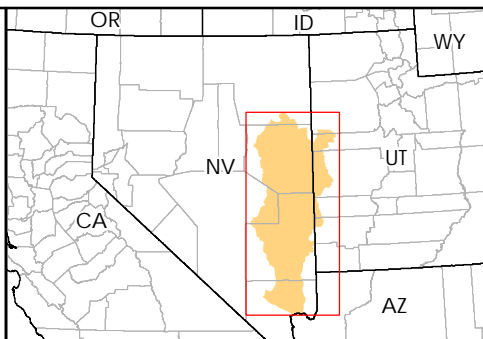
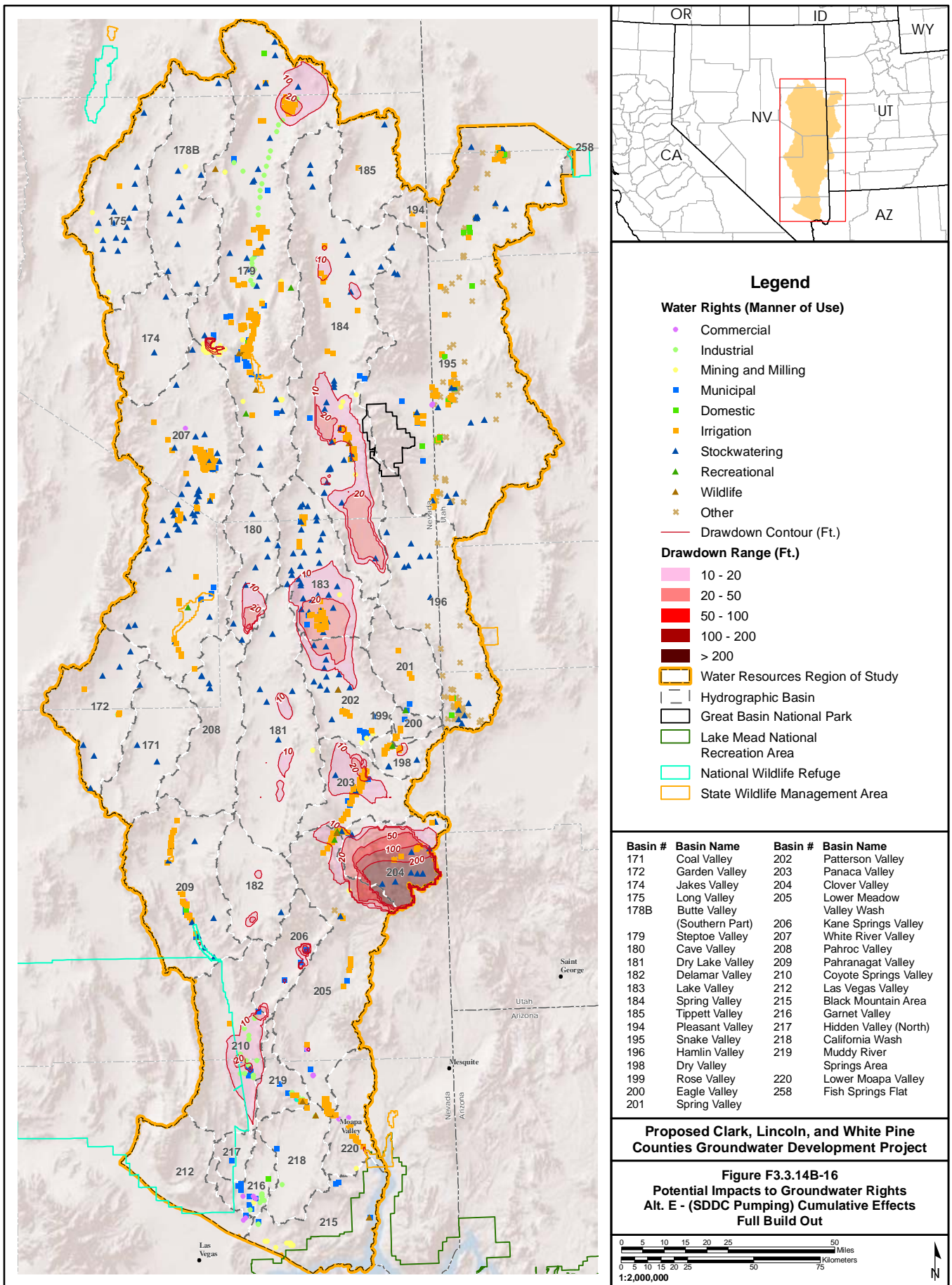
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
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175	Long Valley	205	Lower Meadow Valley Wash
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180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahranagat Valley
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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 F3.3.14B-15
Potential Impacts to Groundwater Rights
Alt. D - (LCCRDA Dist. Pumping) Cumulative Effects
+ 200 Years**



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Legend

Water Rights (Manner of Use)

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

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

Basin #	Basin Name	Basin #	Basin Name
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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		

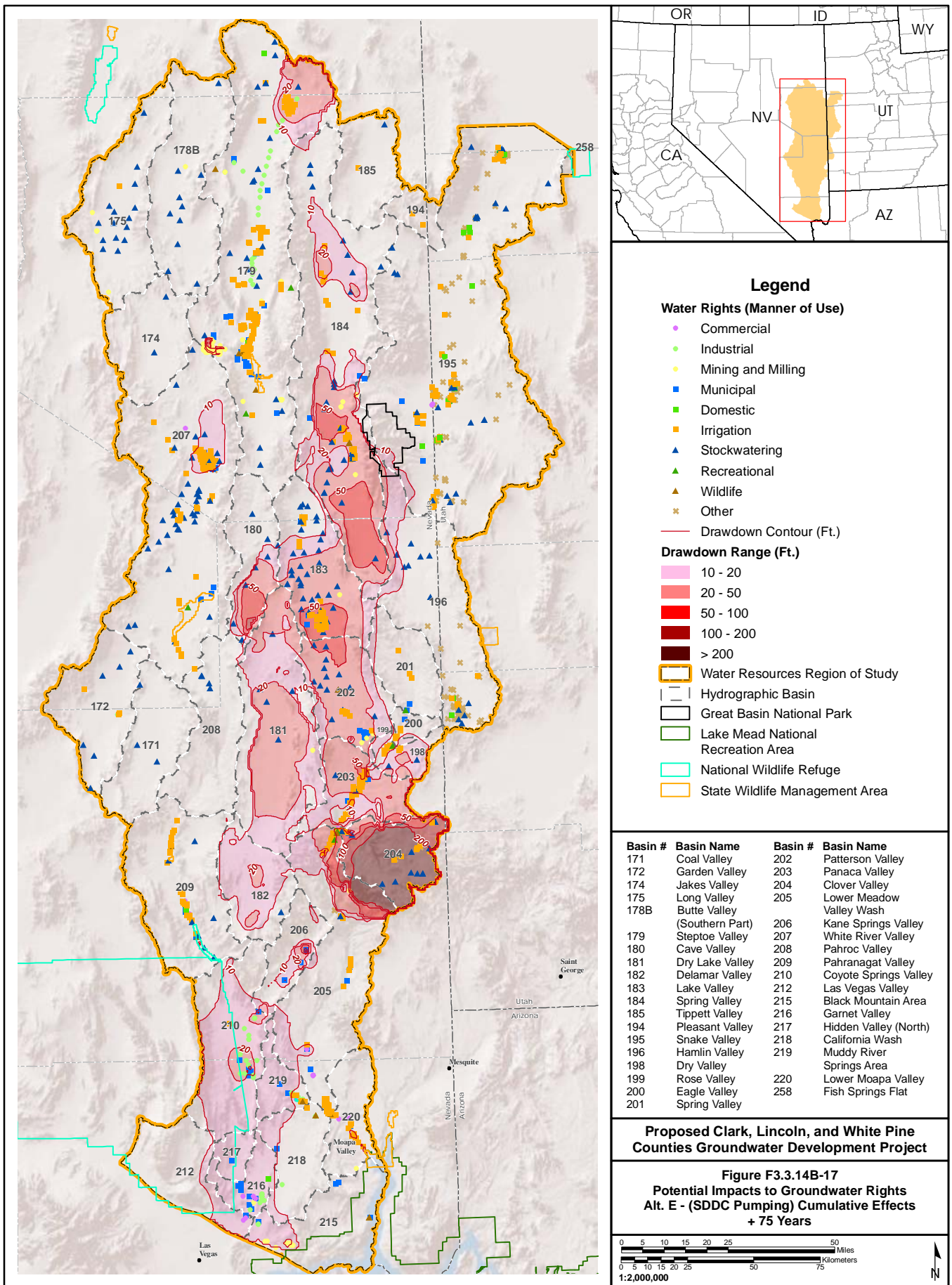
Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project

Figure F3.3.14B-16
Potential Impacts to Groundwater Rights
Alt. E - (SDDC Pumping) Cumulative Effects
Full Build Out

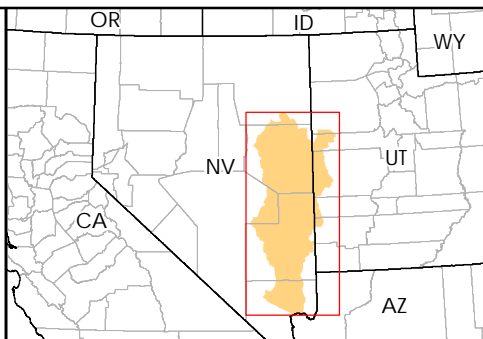
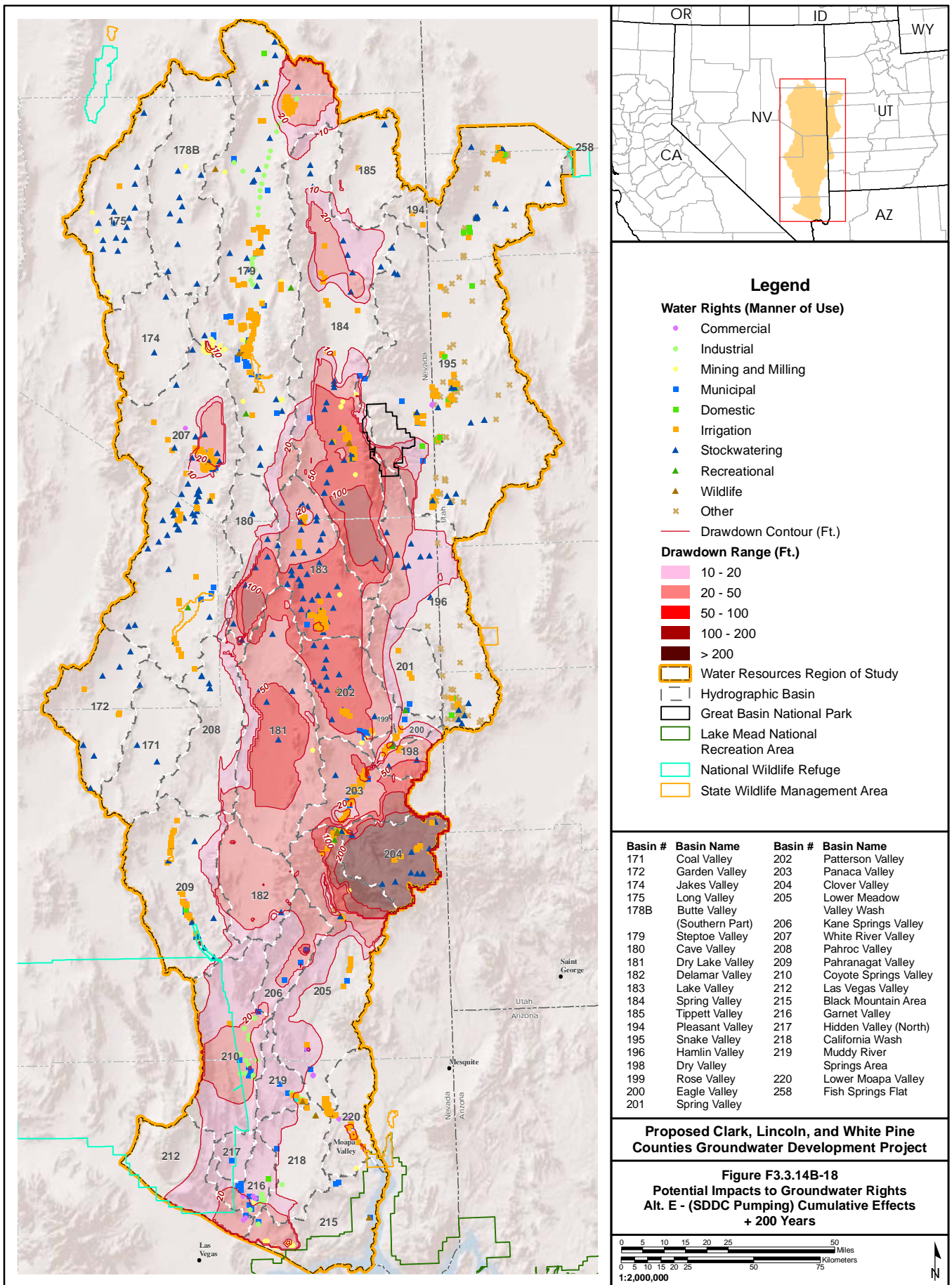
0 5 10 15 20 25 50 Miles
0 5 10 15 20 25 50 75 Kilometers

1:2,000,000

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Legend

- Water Rights (Manner of Use)**
- Commercial
 - Industrial
 - Mining and Milling
 - Municipal
 - Domestic
 - Irrigation
 - ▲ Stockwatering
 - ▲ Recreational
 - ▲ Wildlife
 - × Other
- Drawdown Contour (Ft.)

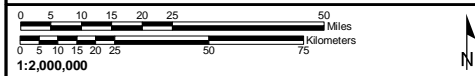
- Drawdown Range (Ft.)**
- 10 - 20
 - 20 - 50
 - 50 - 100
 - 100 - 200
 - > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

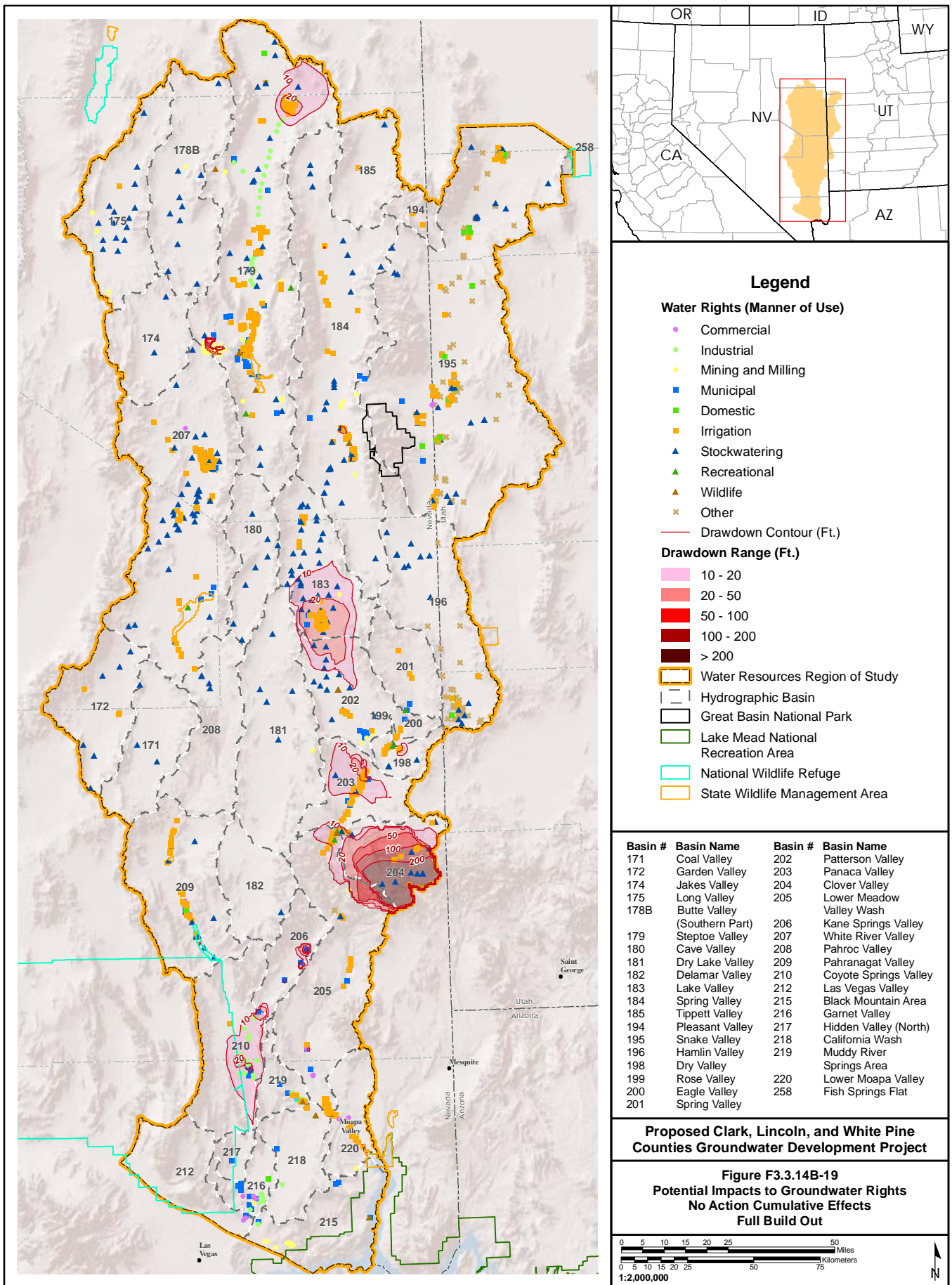
Basin #	Basin Name	Basin #	Basin Name
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183	Lake Valley	212	Las Vegas Valley
184	Spring Valley	215	Black Mountain Area
185	Tippett Valley	216	Garnet Valley
194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin 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

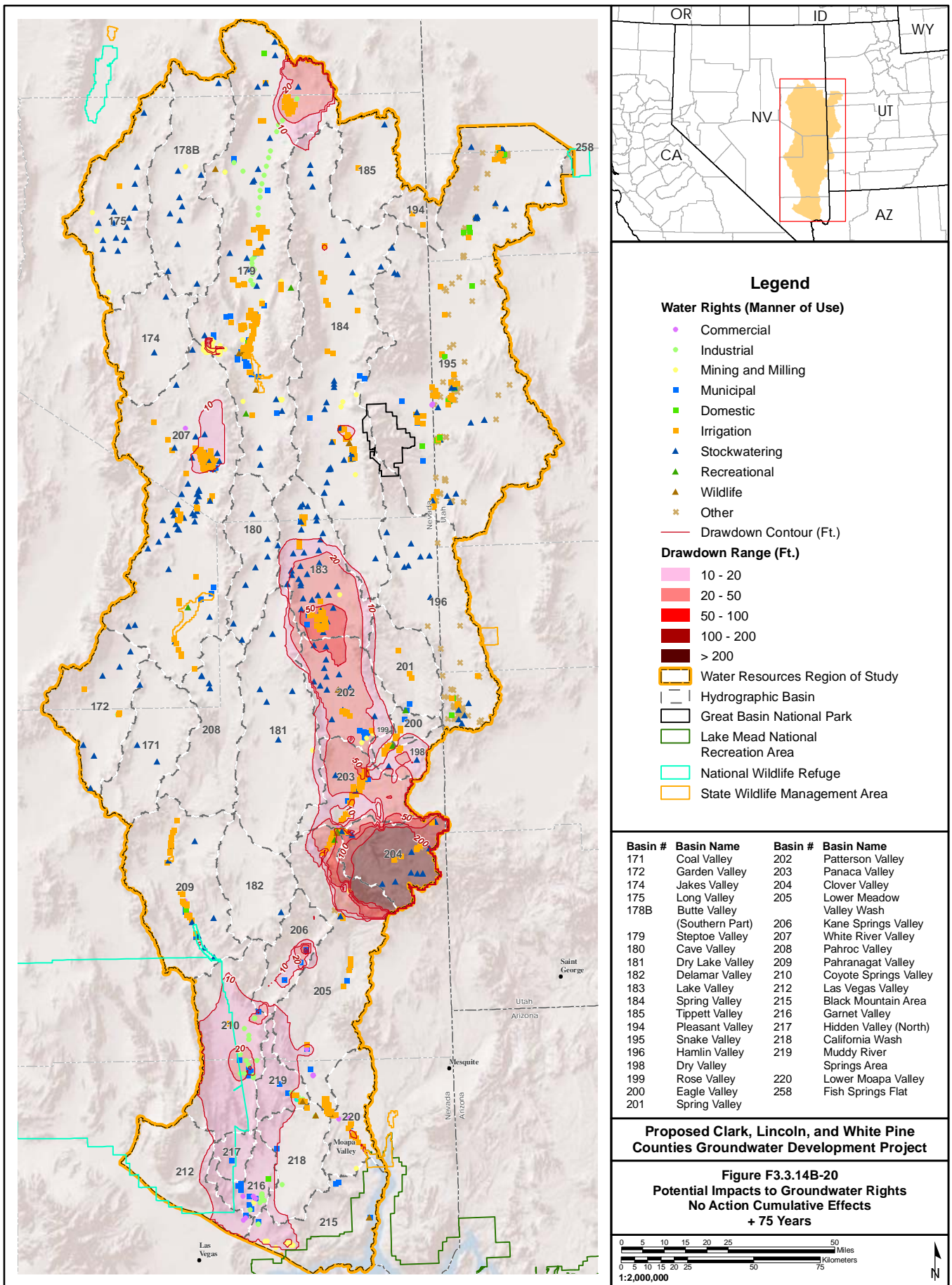
Figure F3.3.14B-18
Potential Impacts to Groundwater Rights
Alt. E - (SDDC Pumping) Cumulative Effects
+ 200 Years



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Legend

Water Rights (Manner of Use)

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

— Drawdown Contour (Ft.)

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- Water Resources Region of Study
- Hydrographic Basin
- Great Basin National Park
- Lake Mead National Recreation Area
- National Wildlife Refuge
- State Wildlife Management Area

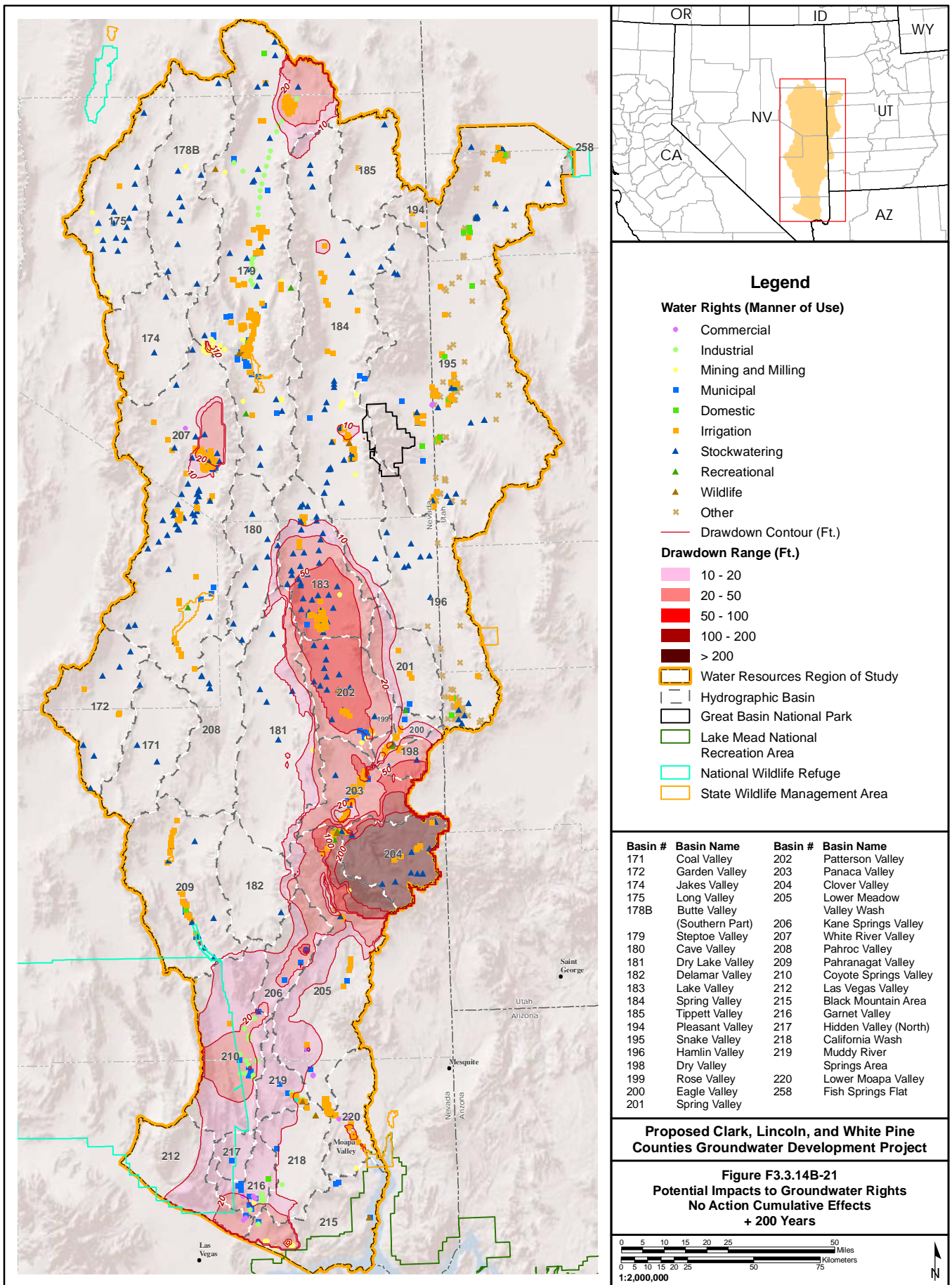
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198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200	Eagle Valley		
201	Spring Valley		

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

**Figure F3.3.14B-20
Potential Impacts to Groundwater 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

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Legend

Water Rights (Manner of Use)

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

Drawdown Range (Ft.)

- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

Water Resources Region of Study

Hydrographic Basin

Great Basin National Park

Lake Mead National Recreation Area

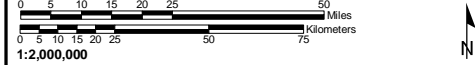
National Wildlife Refuge

State Wildlife Management Area

Basin #	Basin Name	Basin #	Basin Name
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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 F3.3.14B-21
Potential Impacts to Groundwater Rights
No Action Cumulative Effects
+ 200 Years**



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.