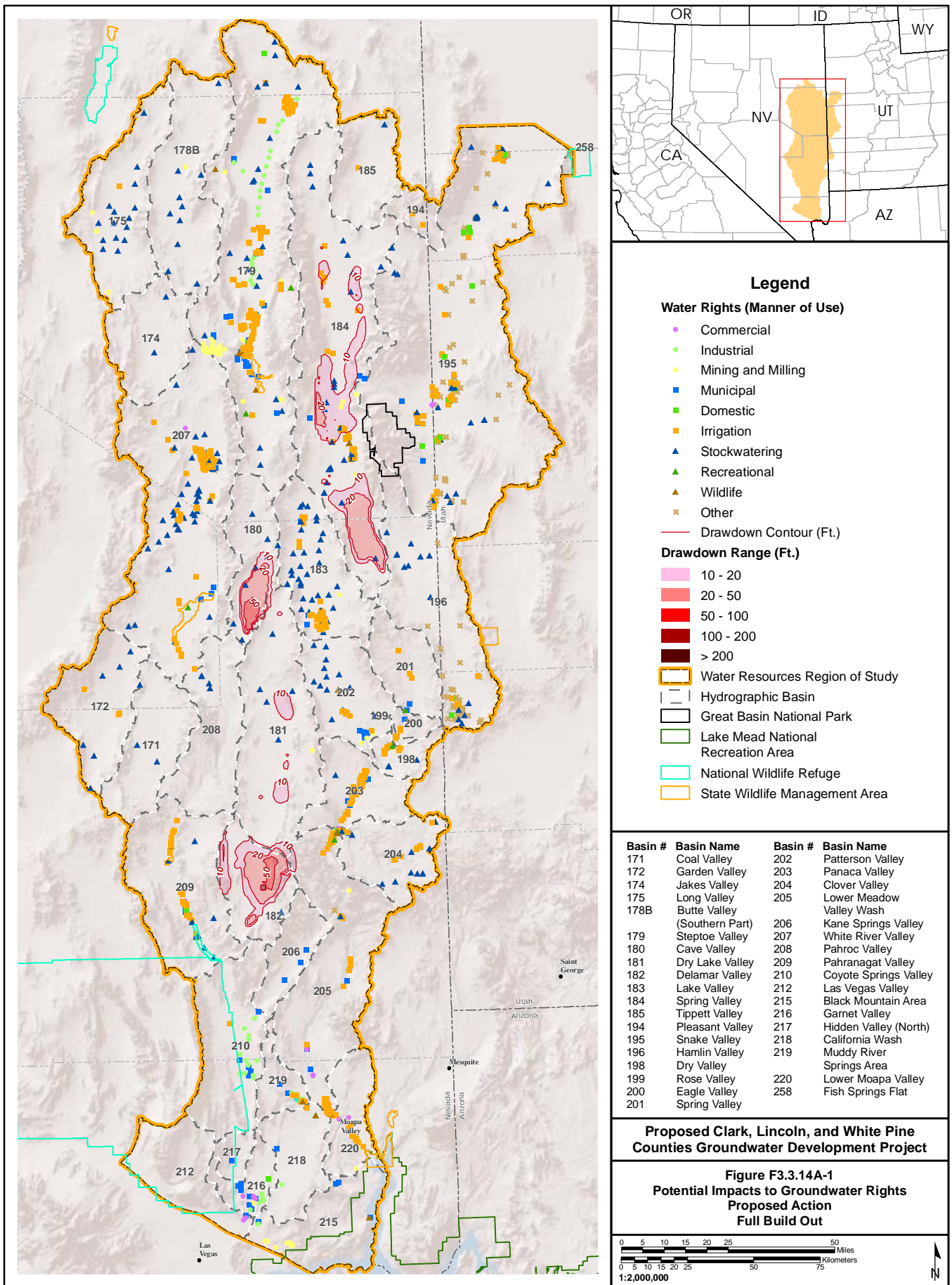
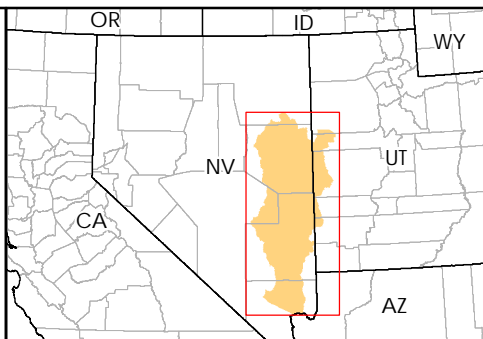
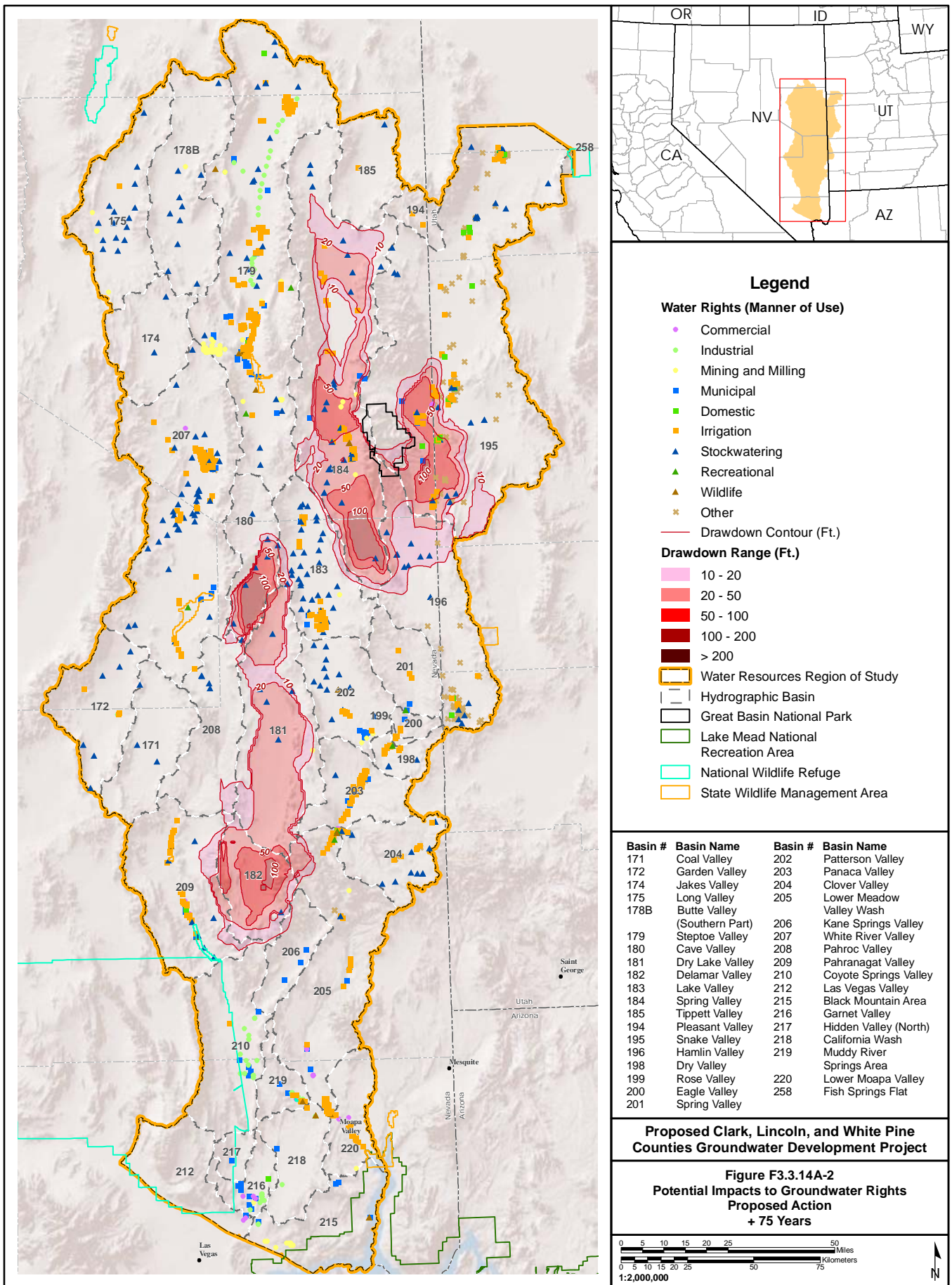


### **F3.3.14**

#### **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 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**

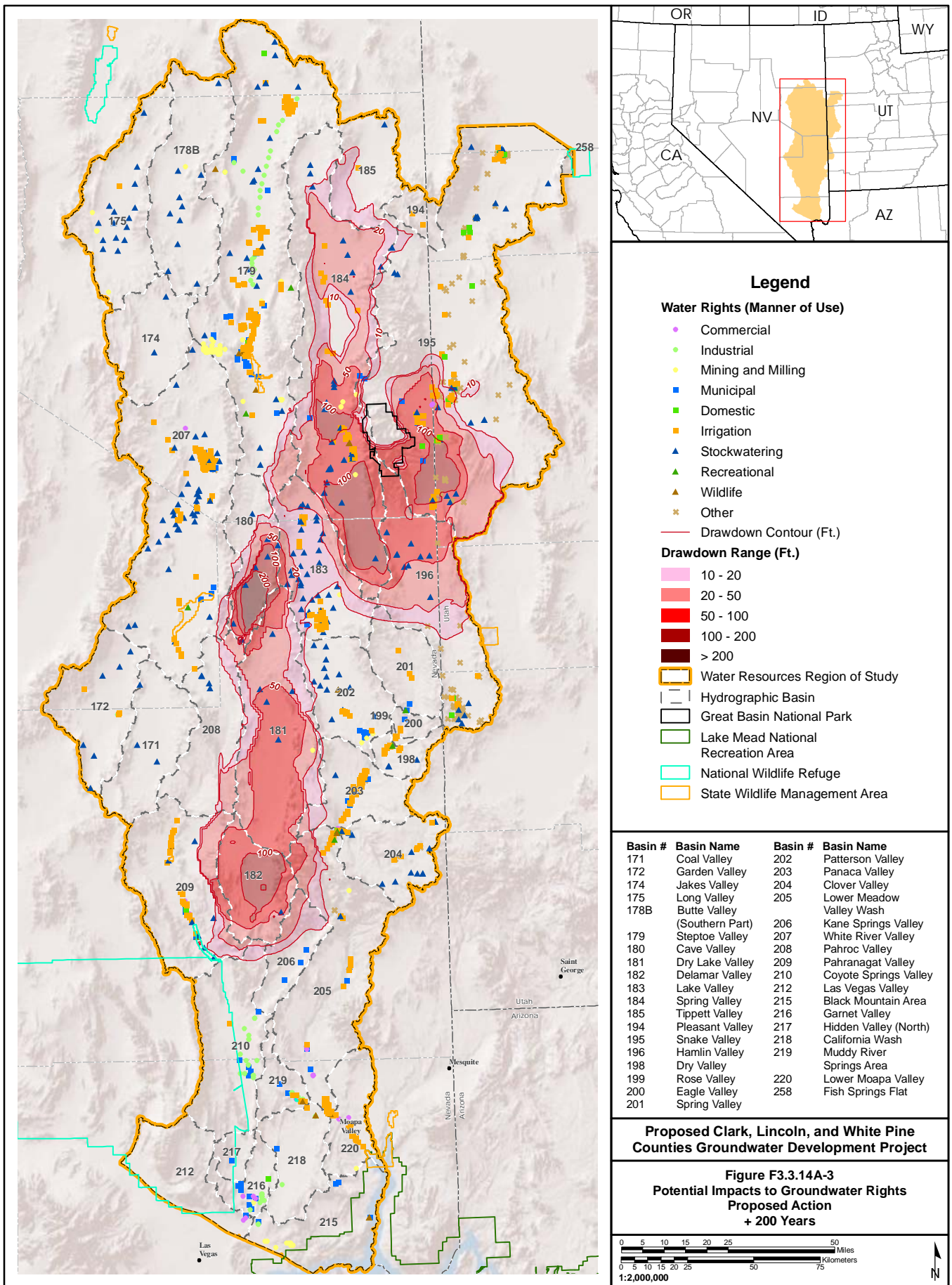
**Figure F3.3.14A-2  
Potential Impacts to Groundwater Rights  
Proposed Action  
+ 75 Years**

0 5 10 15 20 25 50 Miles

0 5 10 15 20 25 50 75 Kilometers

1:2,000,000

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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

**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	Pahranaagat 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**

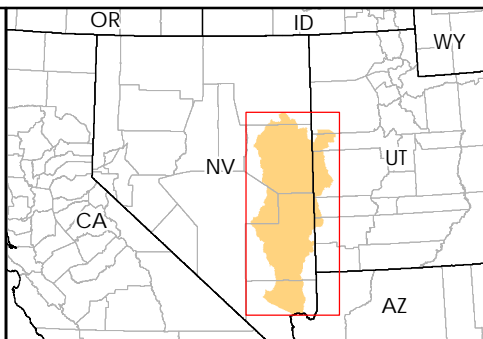
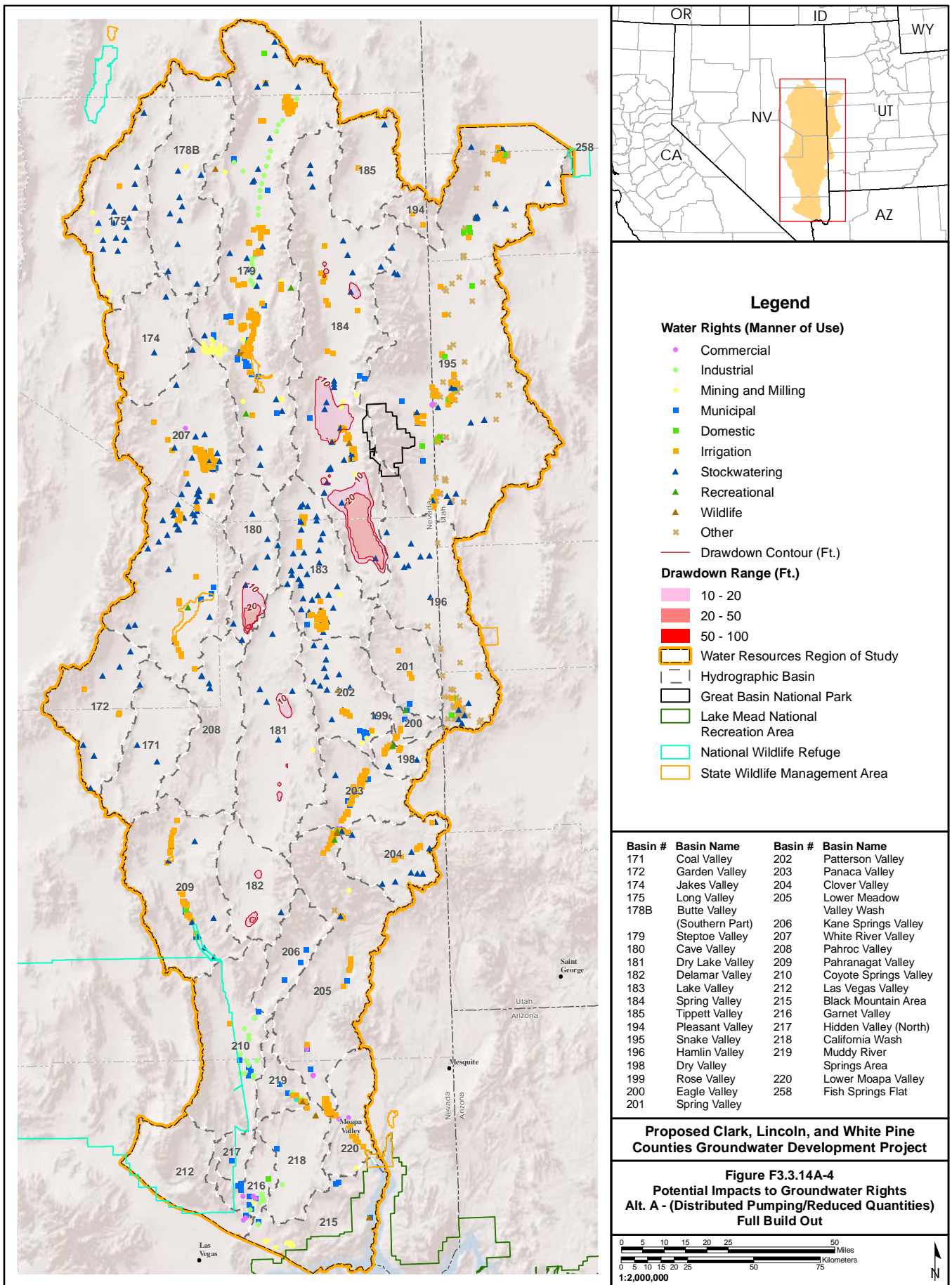
**Figure F3.3.14A-3  
Potential Impacts to Groundwater Rights  
Proposed Action  
+ 200 Years**

0 5 10 15 20 25 50 Miles

0 5 10 15 20 25 50 75 Kilometers

1:2,000,000

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**

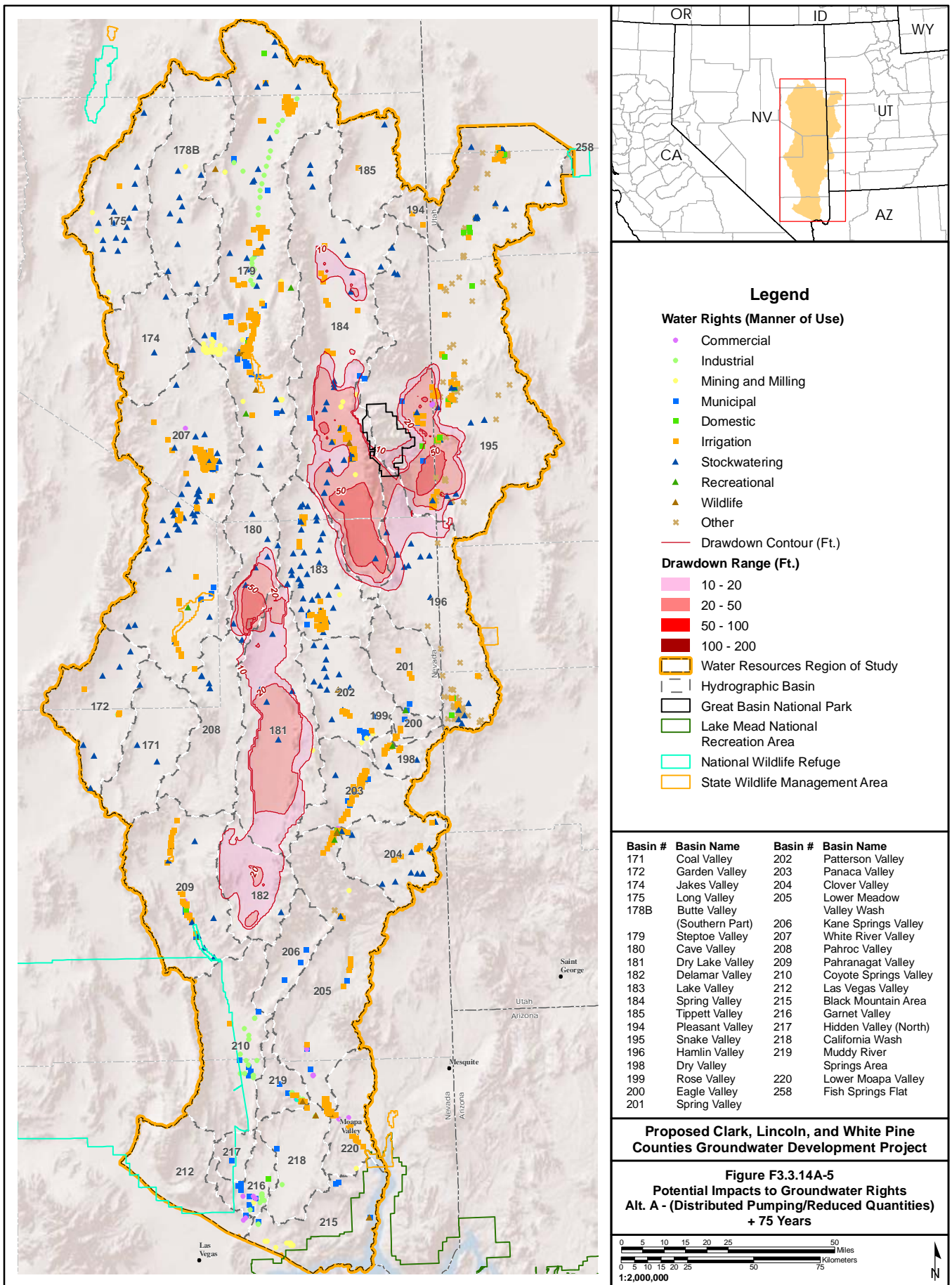
**Figure F3.3.14A-4  
Potential Impacts to Groundwater Rights  
Alt. A - (Distributed Pumping/Reduced Quantities)  
Full Build Out**

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.)**

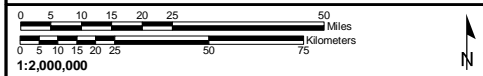
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200

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

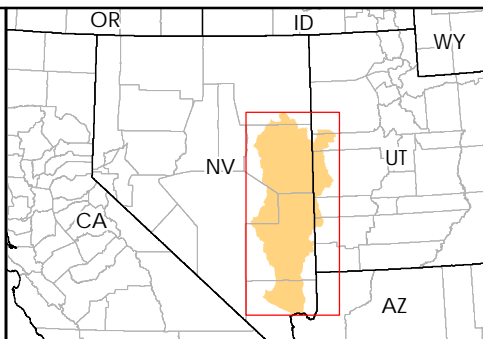
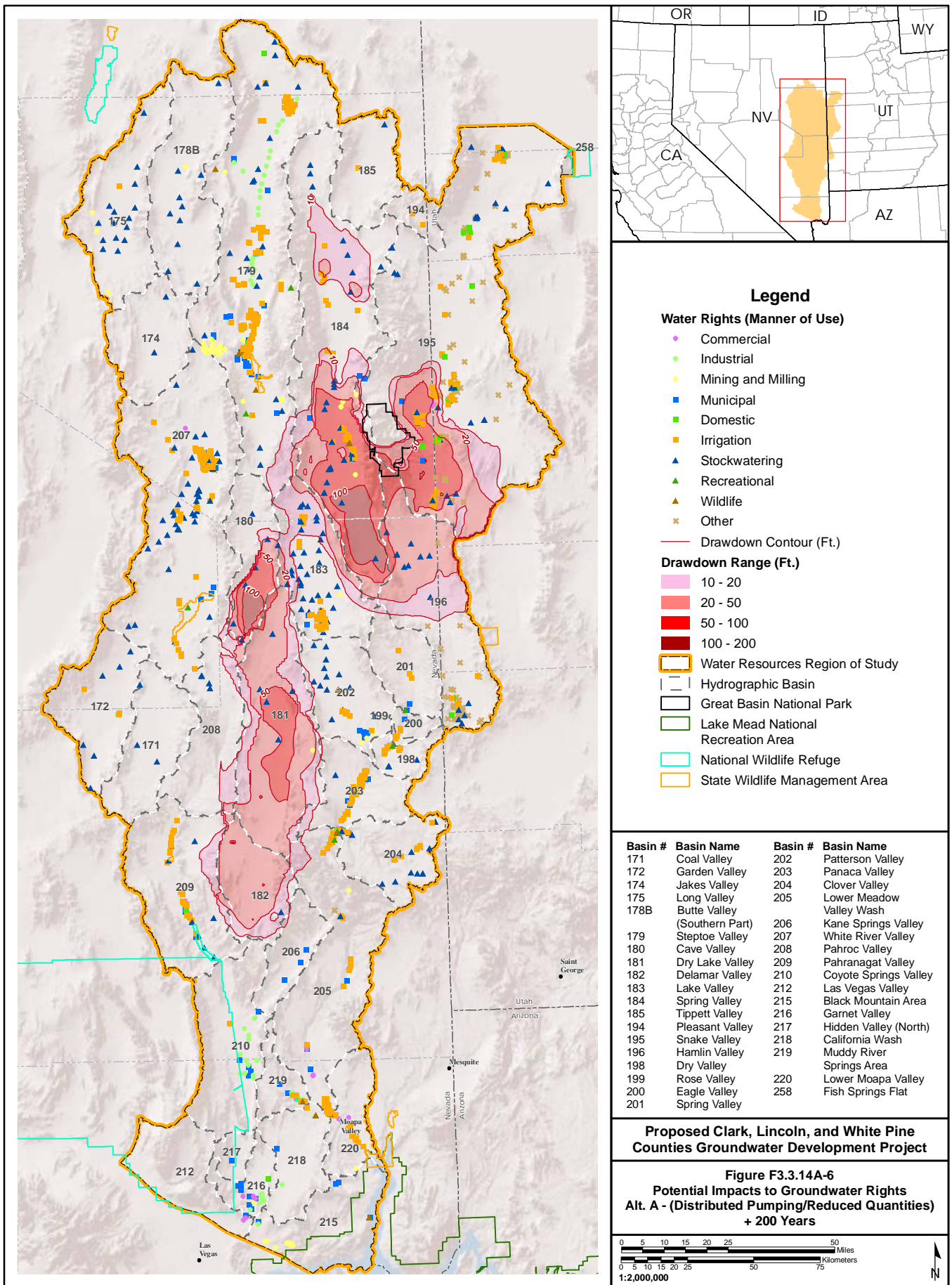
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley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

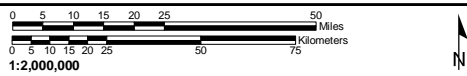


- Legend**
- Water Rights (Manner of Use)**
- Commercial
  - Industrial
  - Mining and Milling
  - Municipal
  - Domestic
  - Irrigation
  - ▲ Stockwatering
  - ▲ Recreational
  - ▲ Wildlife
  - × Other
- Drawdown Contour (Ft.)
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200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

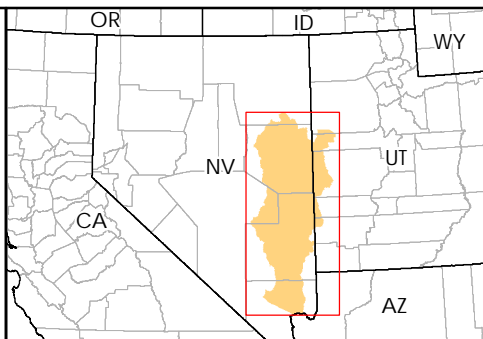
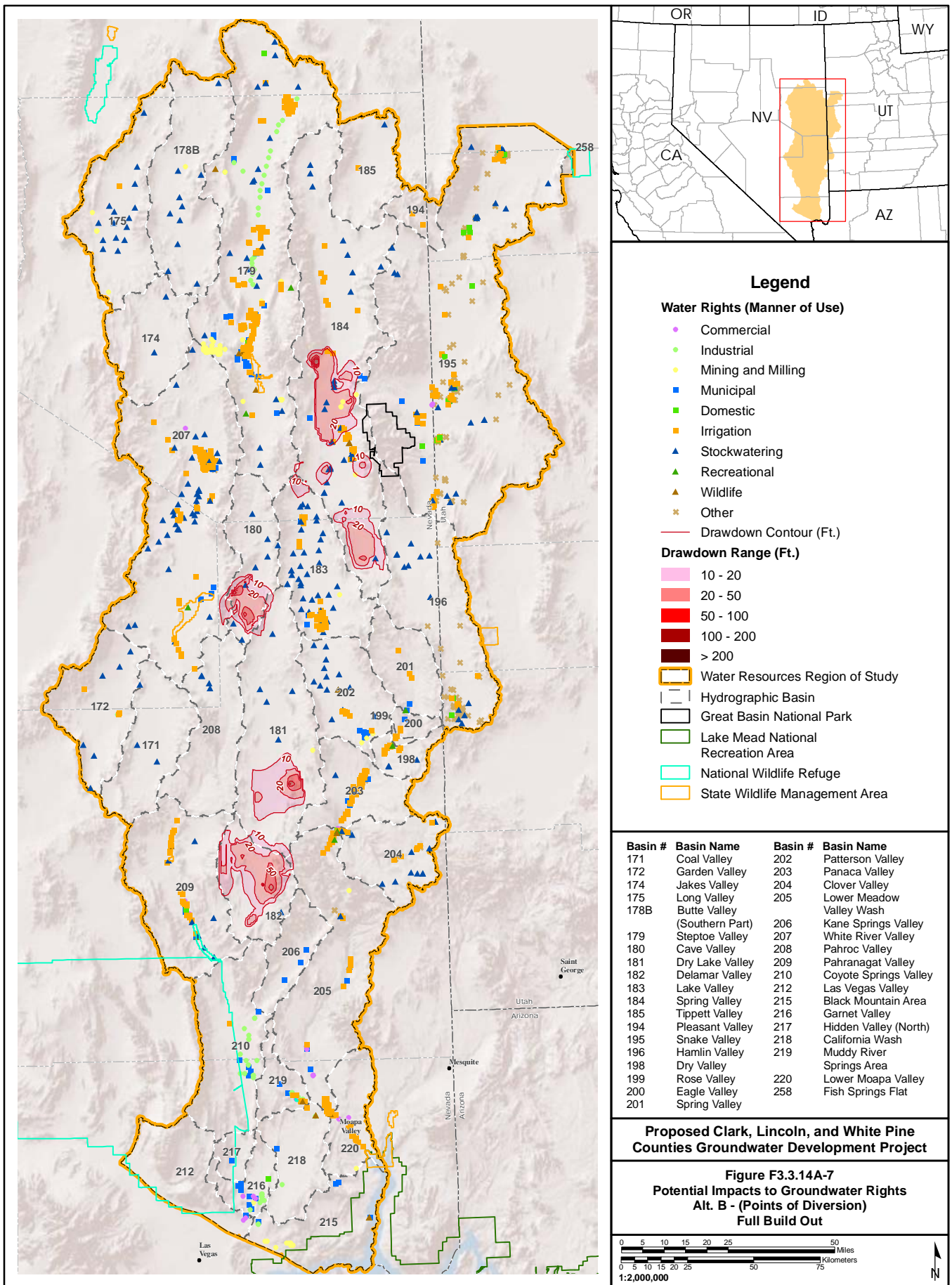
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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-6  
Potential Impacts to Groundwater Rights  
Alt. A - (Distributed Pumping/Reduced Quantities)  
+ 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.)

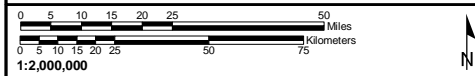
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

- 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		

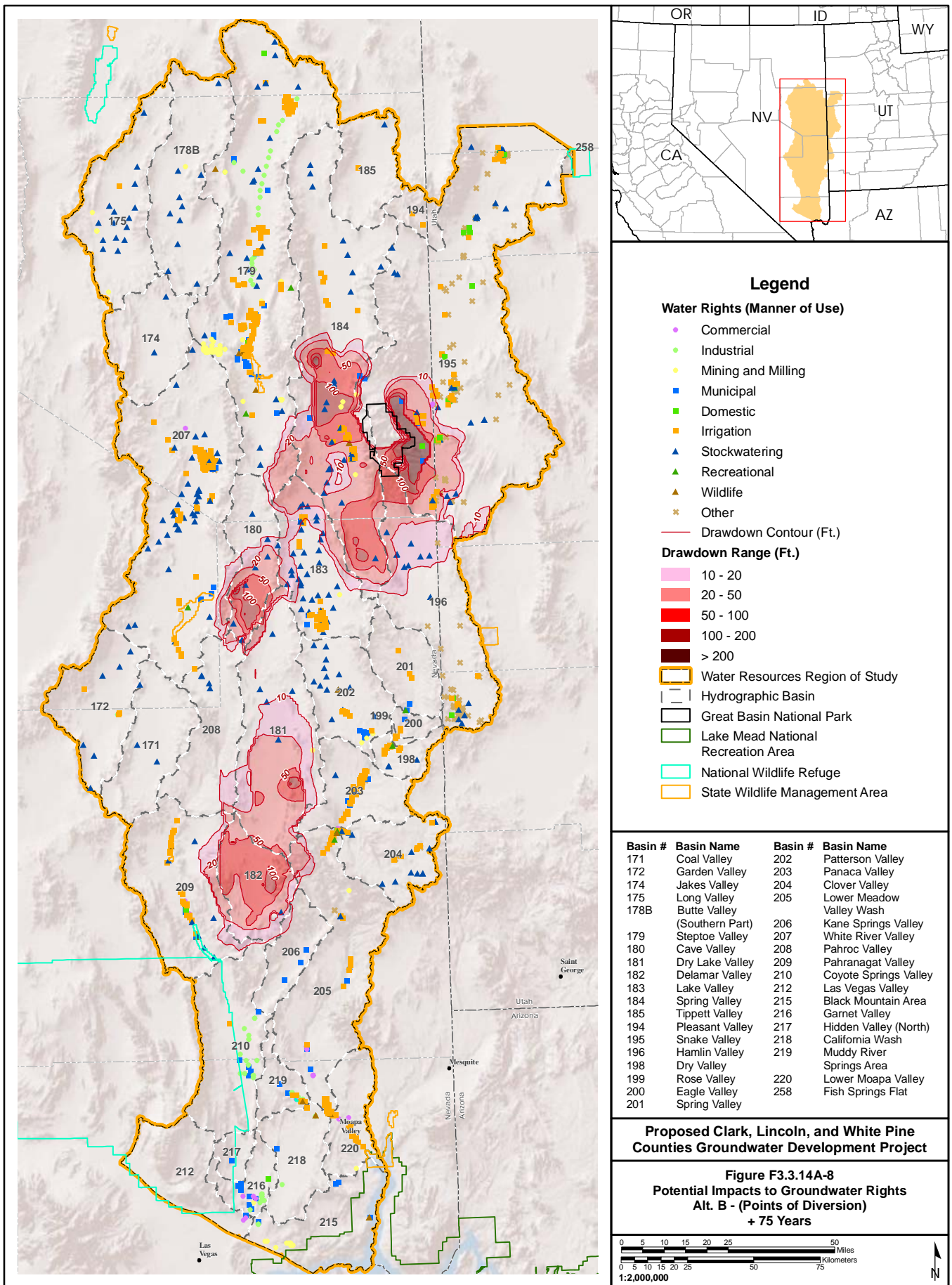
**Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project**

**Figure F3.3.14A-7  
Potential Impacts to Groundwater Rights  
Alt. B - (Points of Diversion)  
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 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

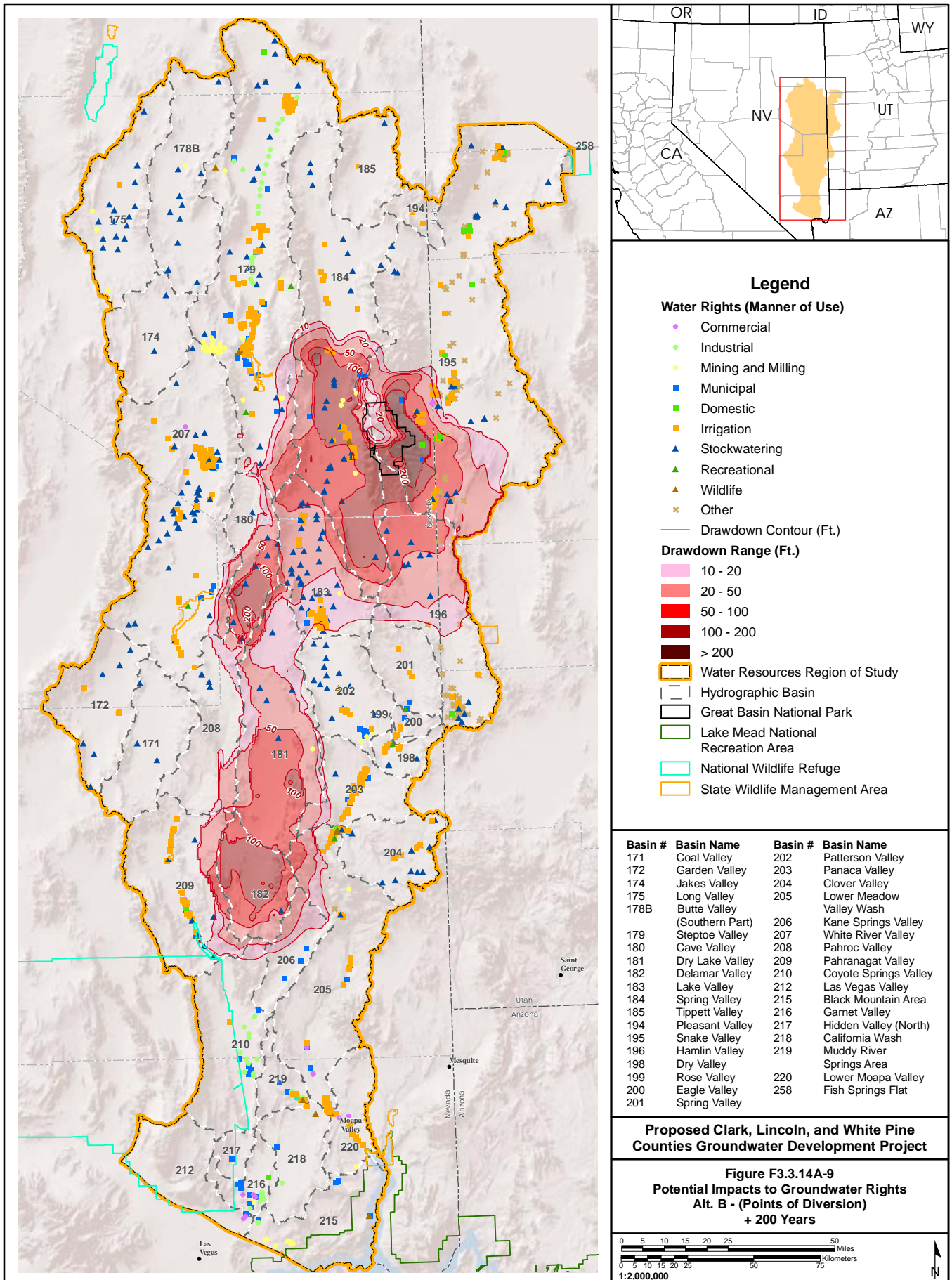
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahrangat 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**

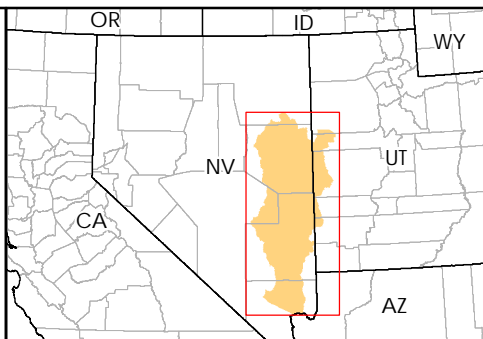
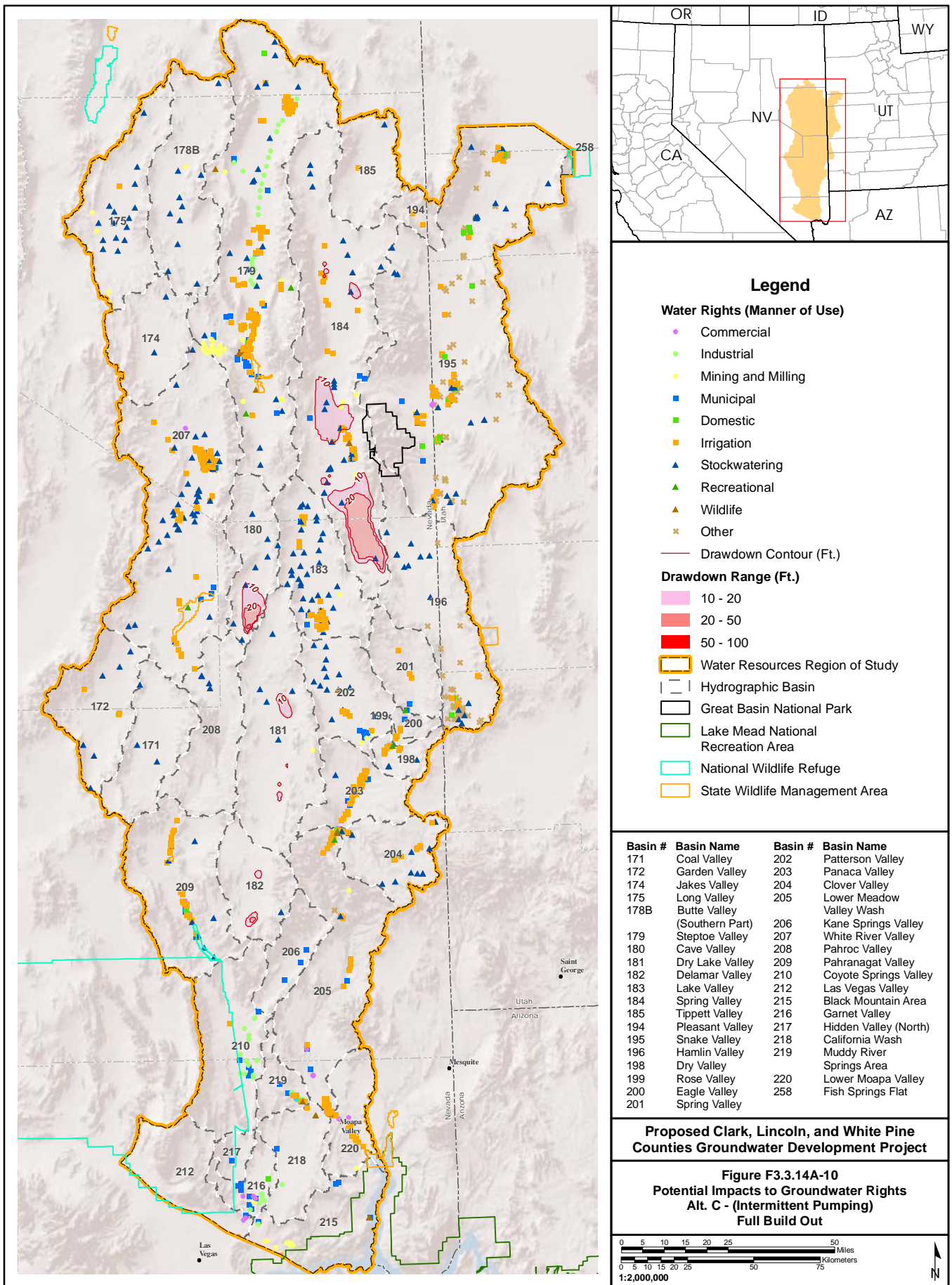
**Figure F3.3.14A-8  
Potential Impacts to Groundwater Rights  
Alt. B - (Points of Diversion)  
+ 75 Years**

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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### 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

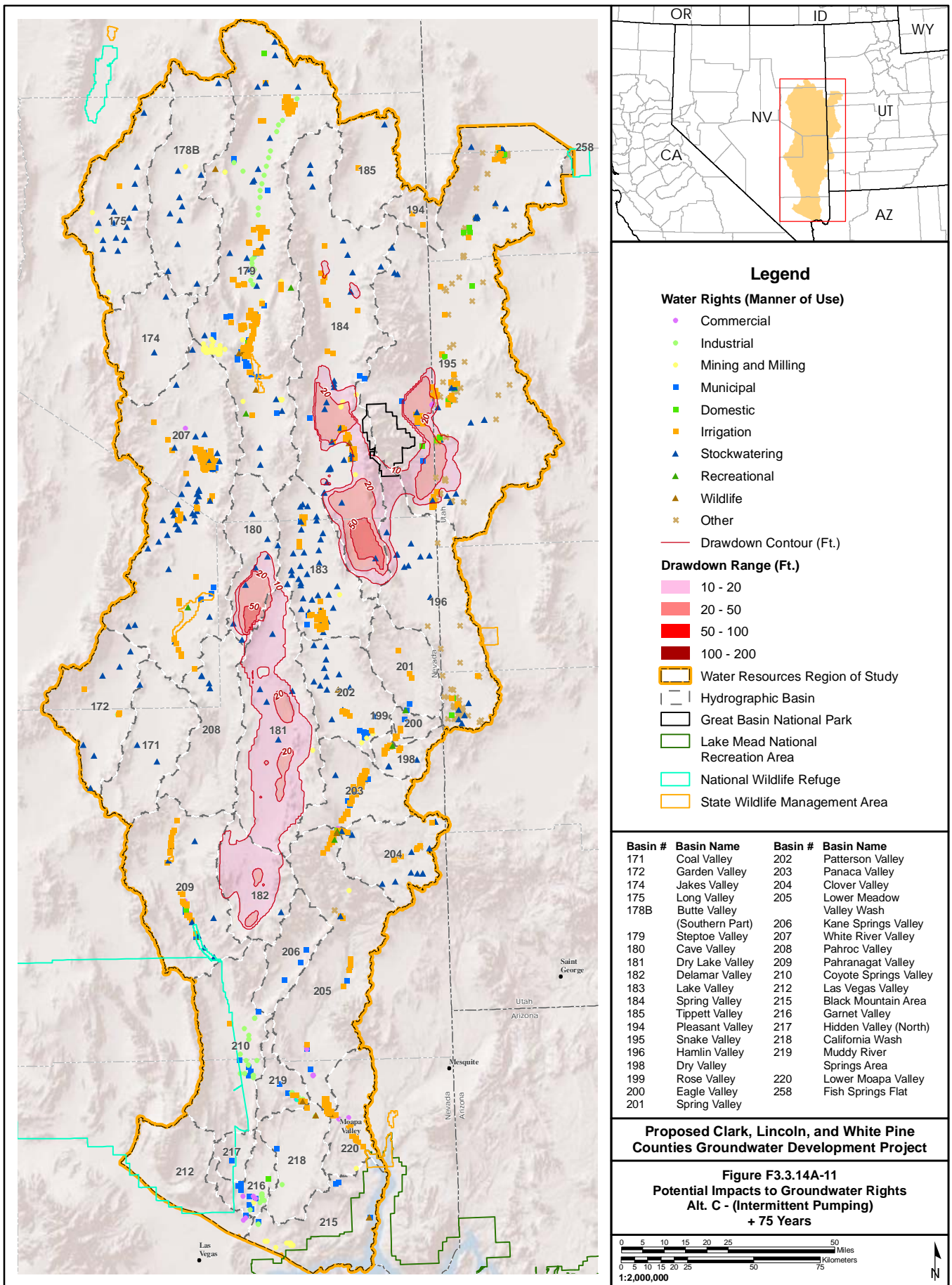
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley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

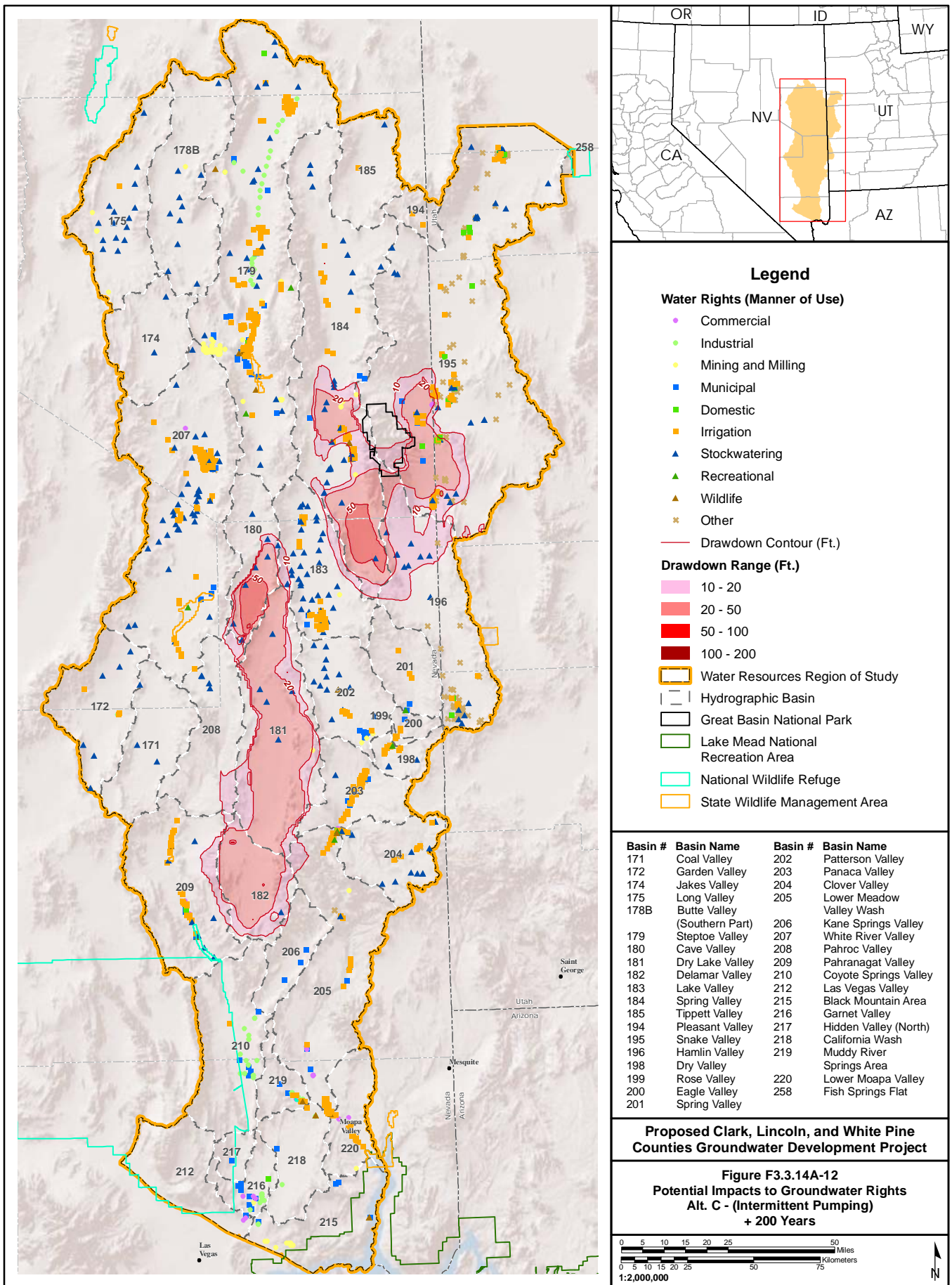
**Figure F3.3.14A-10**  
**Potential Impacts to Groundwater Rights**  
**Alt. C - (Intermittent Pumping)**  
**Full Build Out**

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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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

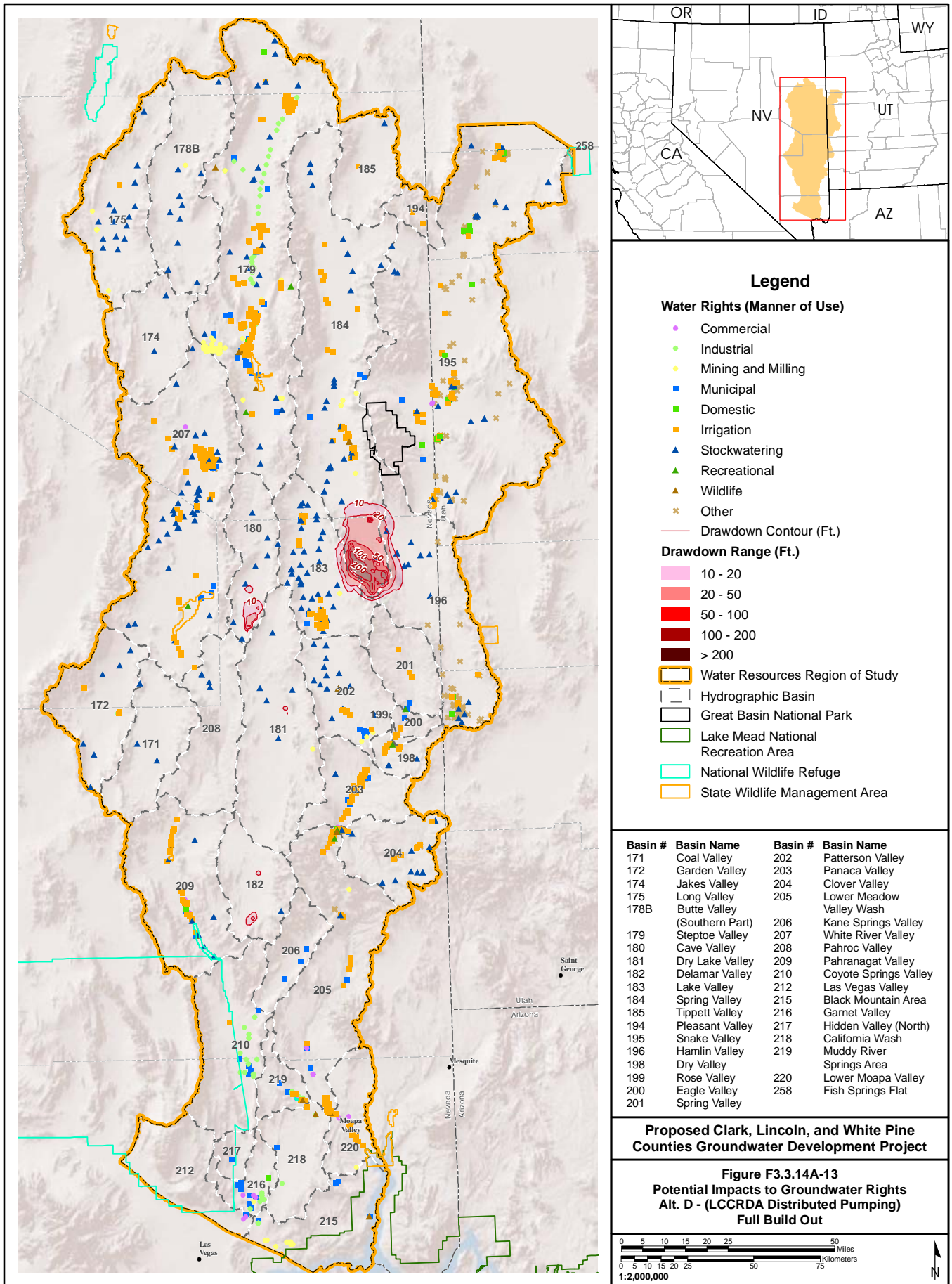
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley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

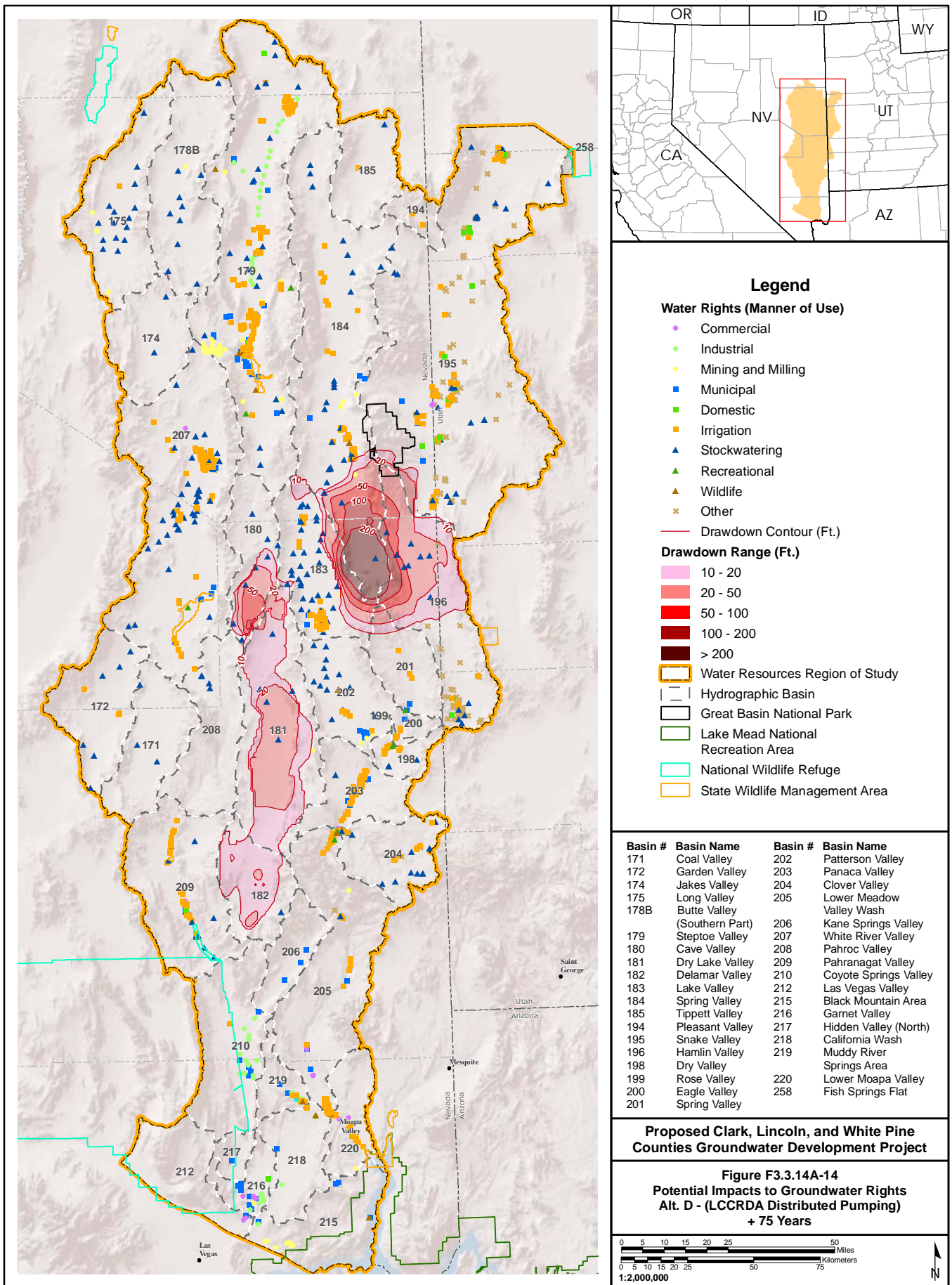
**Figure F3.3.14A-12**  
**Potential Impacts to Groundwater Rights**  
**Alt. C - (Intermittent Pumping)**  
**+ 200 Years**

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

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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.



### 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
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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**

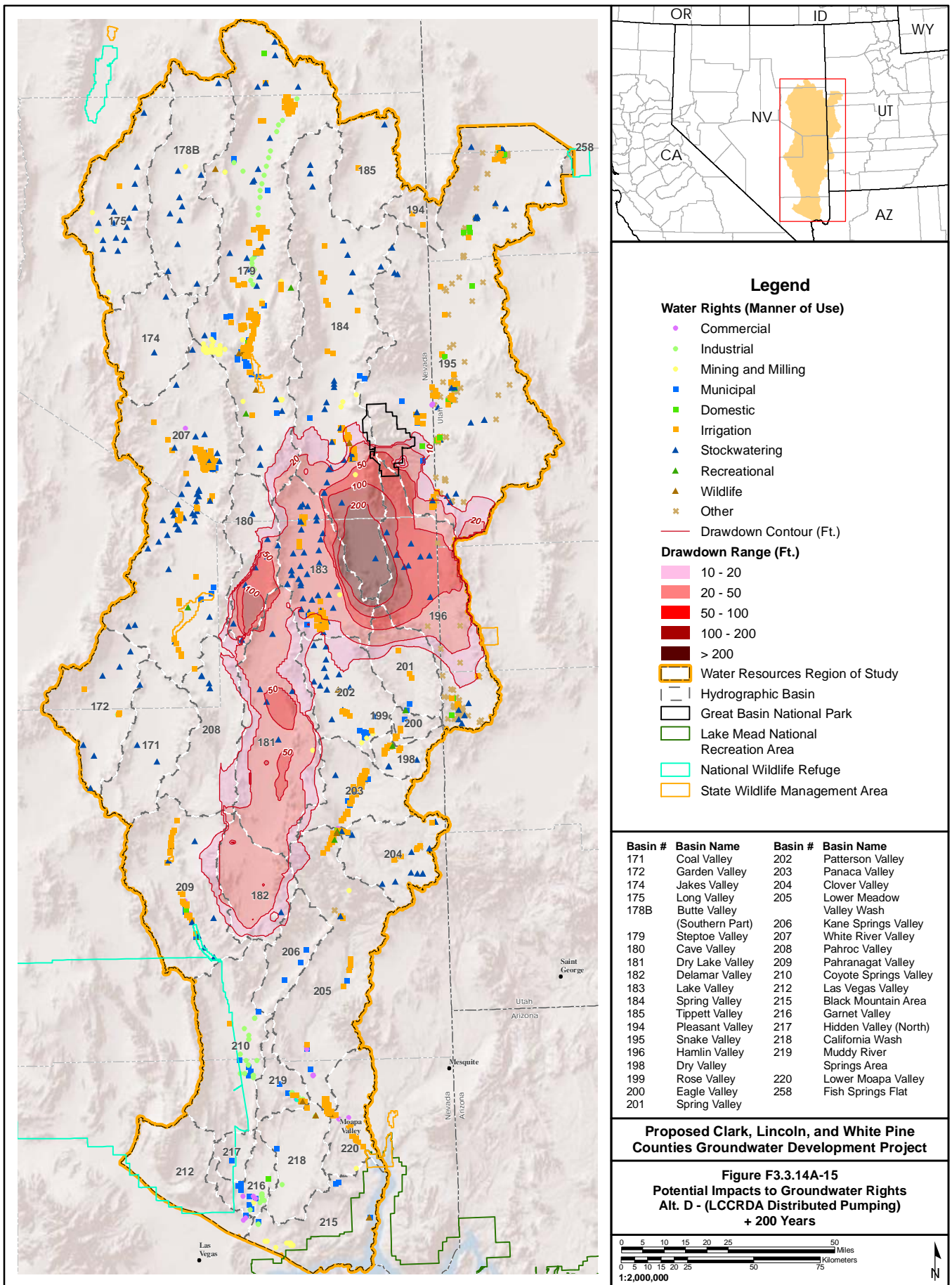
**Figure F3.3.14A-14**  
**Potential Impacts to Groundwater Rights**  
**Alt. D - (LCCRDA Distributed Pumping)**  
**+ 75 Years**

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 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		

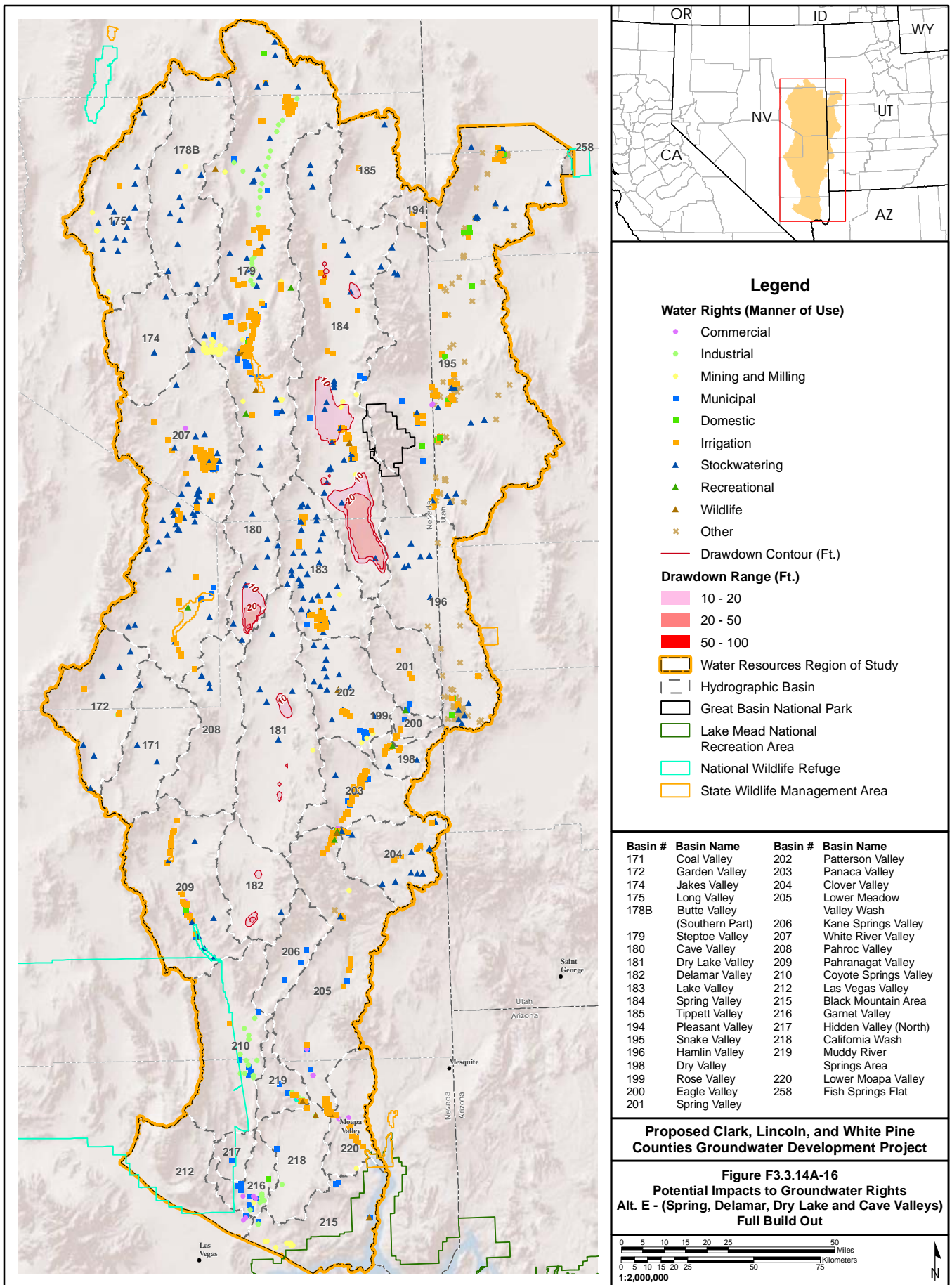
**Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project**

**Figure F3.3.14A-15  
Potential Impacts to Groundwater Rights  
Alt. D - (LCCRDA Distributed Pumping)  
+ 200 Years**

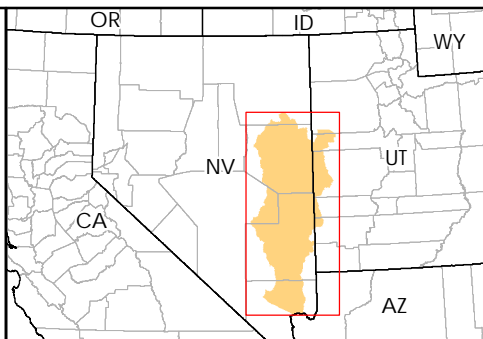
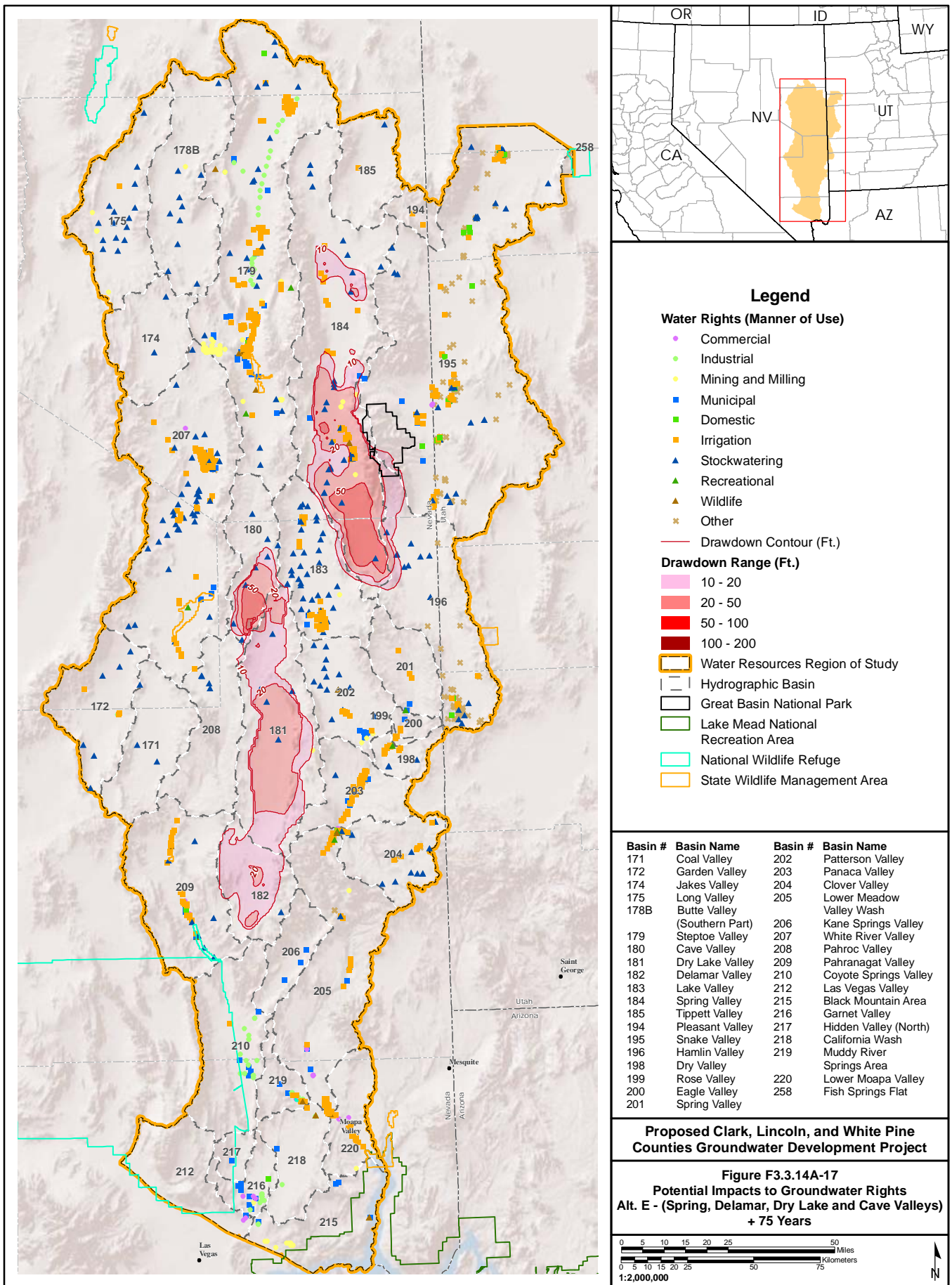
0 5 10 15 20 25 50 Miles  
0 5 10 15 20 25 50 75 Kilometers  
1:2,000,000

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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.



- 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

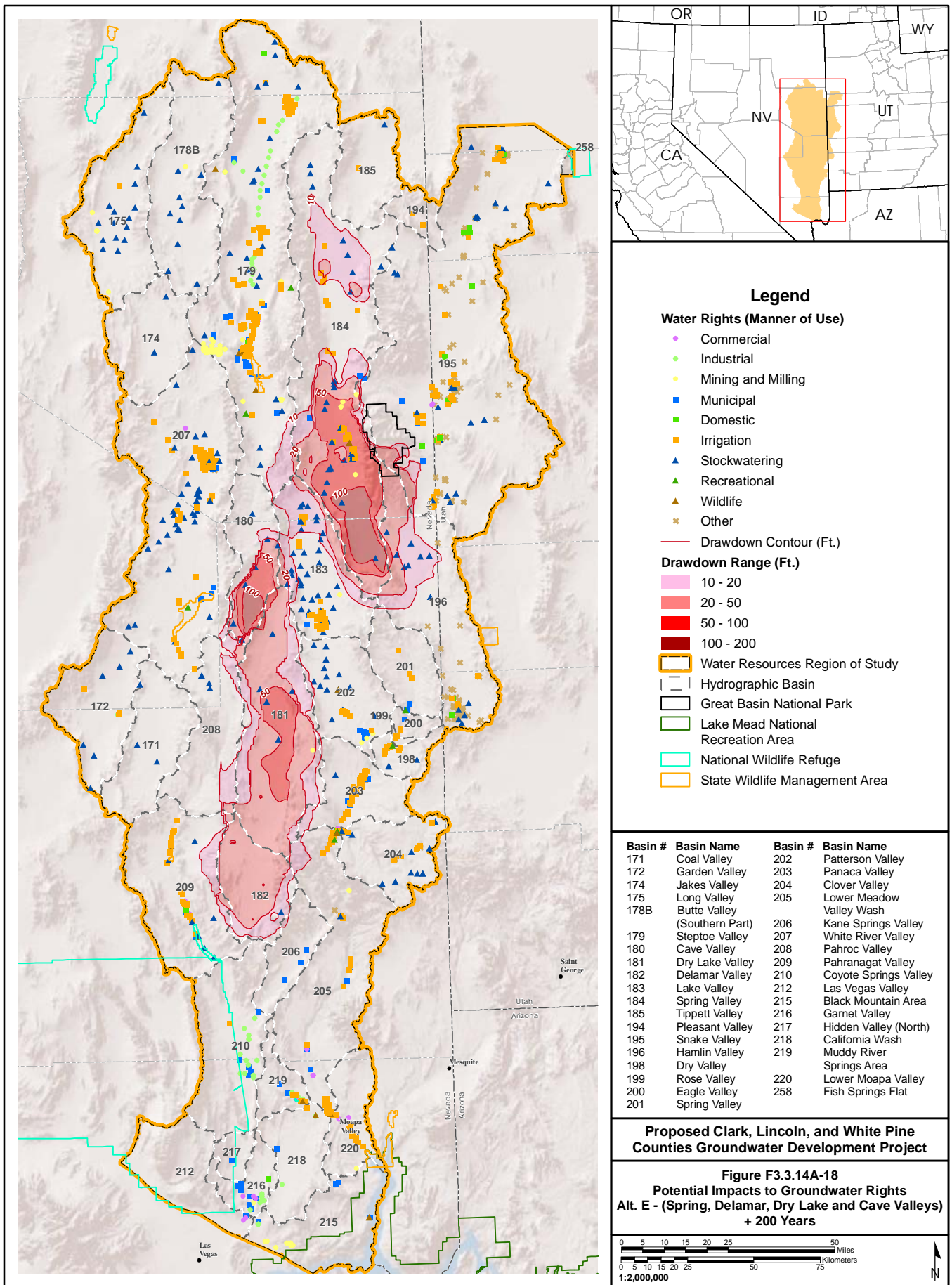
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley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

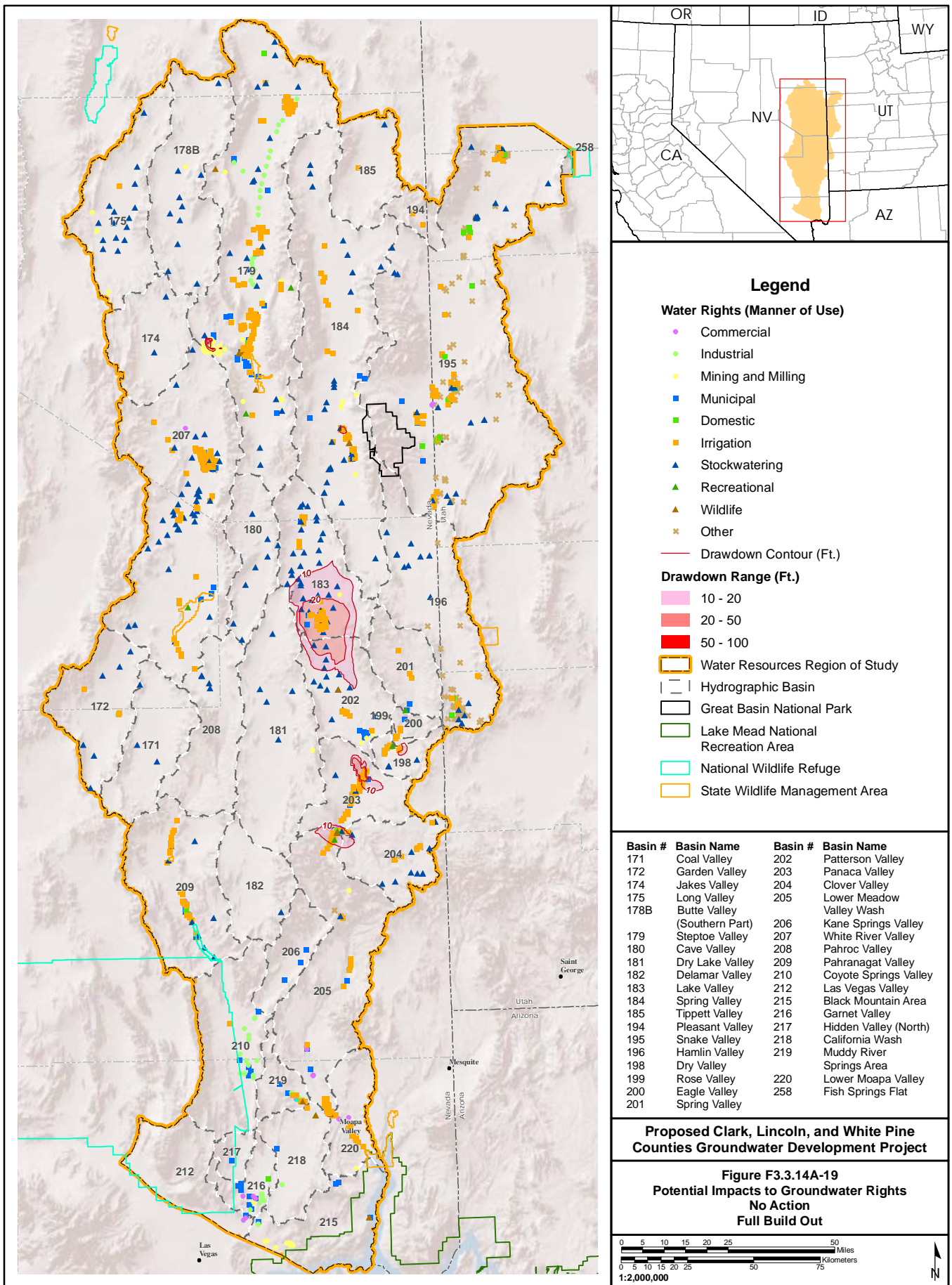
**Figure F3.3.14A-18**  
**Potential Impacts to Groundwater Rights**  
**Alt. E - (Spring, Delamar, Dry Lake and Cave Valleys)**  
**+ 200 Years**

0 5 10 15 20 25 50 Miles

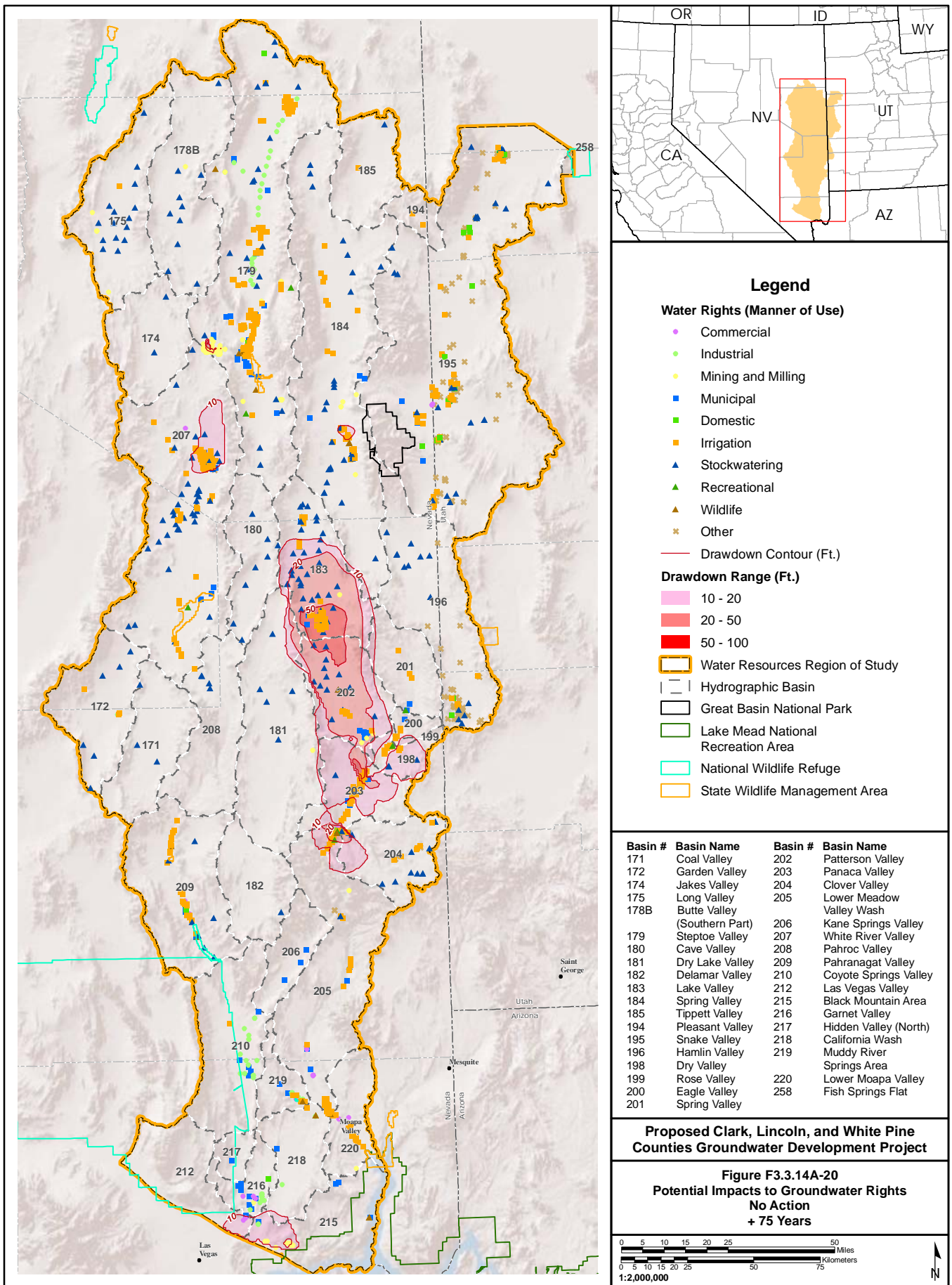
0 5 10 15 20 25 50 75 Kilometers

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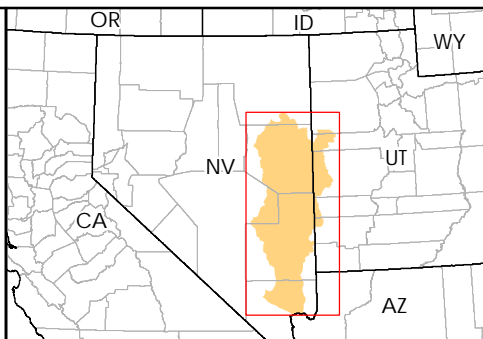
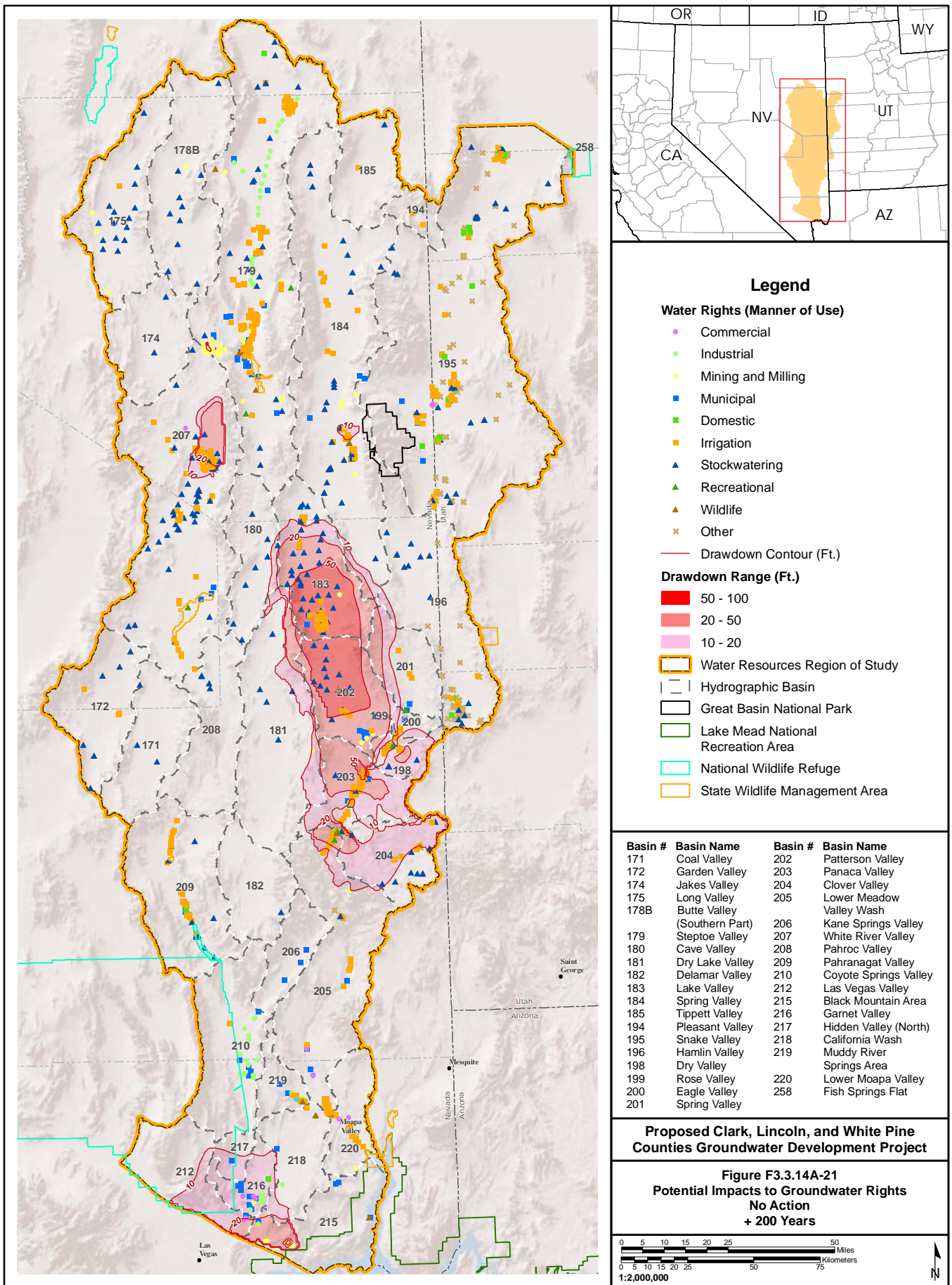
No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



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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.)**

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

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

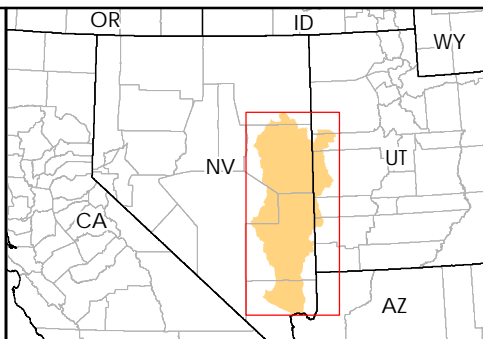
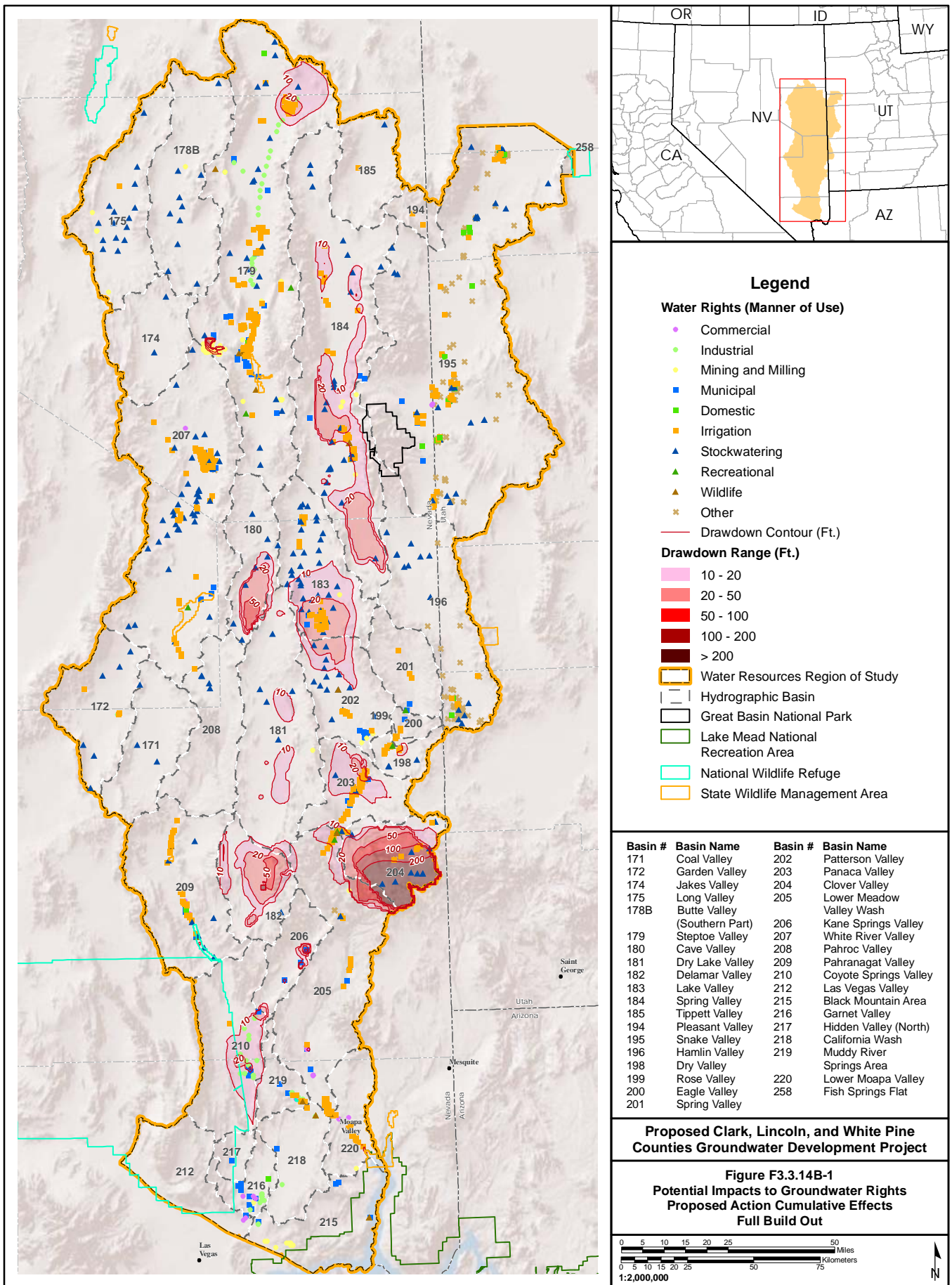
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	208	Pahroc Valley
181	Dry Lake Valley	209	Pahrnanagat 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-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

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
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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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182	Delamar Valley	210	Coyote Springs Valley
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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		

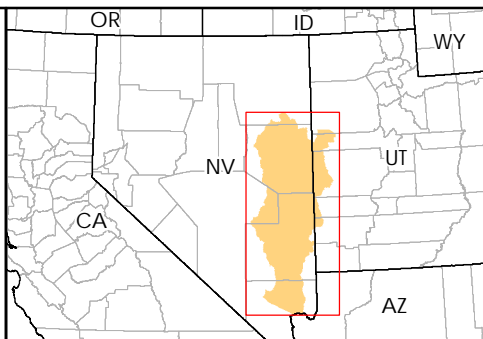
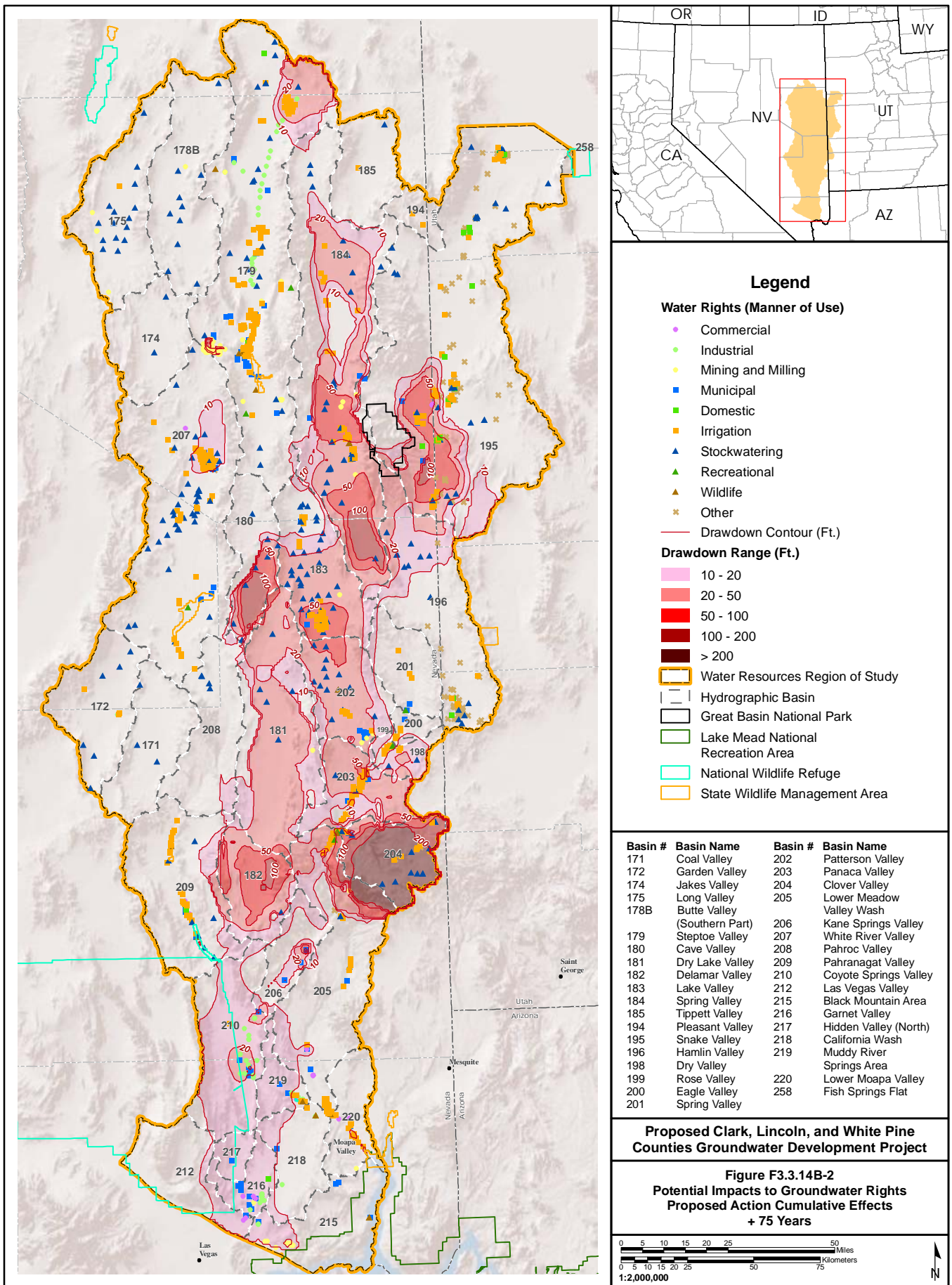
**Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project**

**Figure F3.3.14B-1  
Potential Impacts to Groundwater 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

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.)**

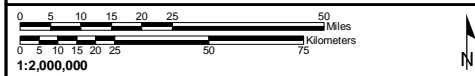
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

- 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
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180	Cave Valley	208	Pahroc Valley
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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		

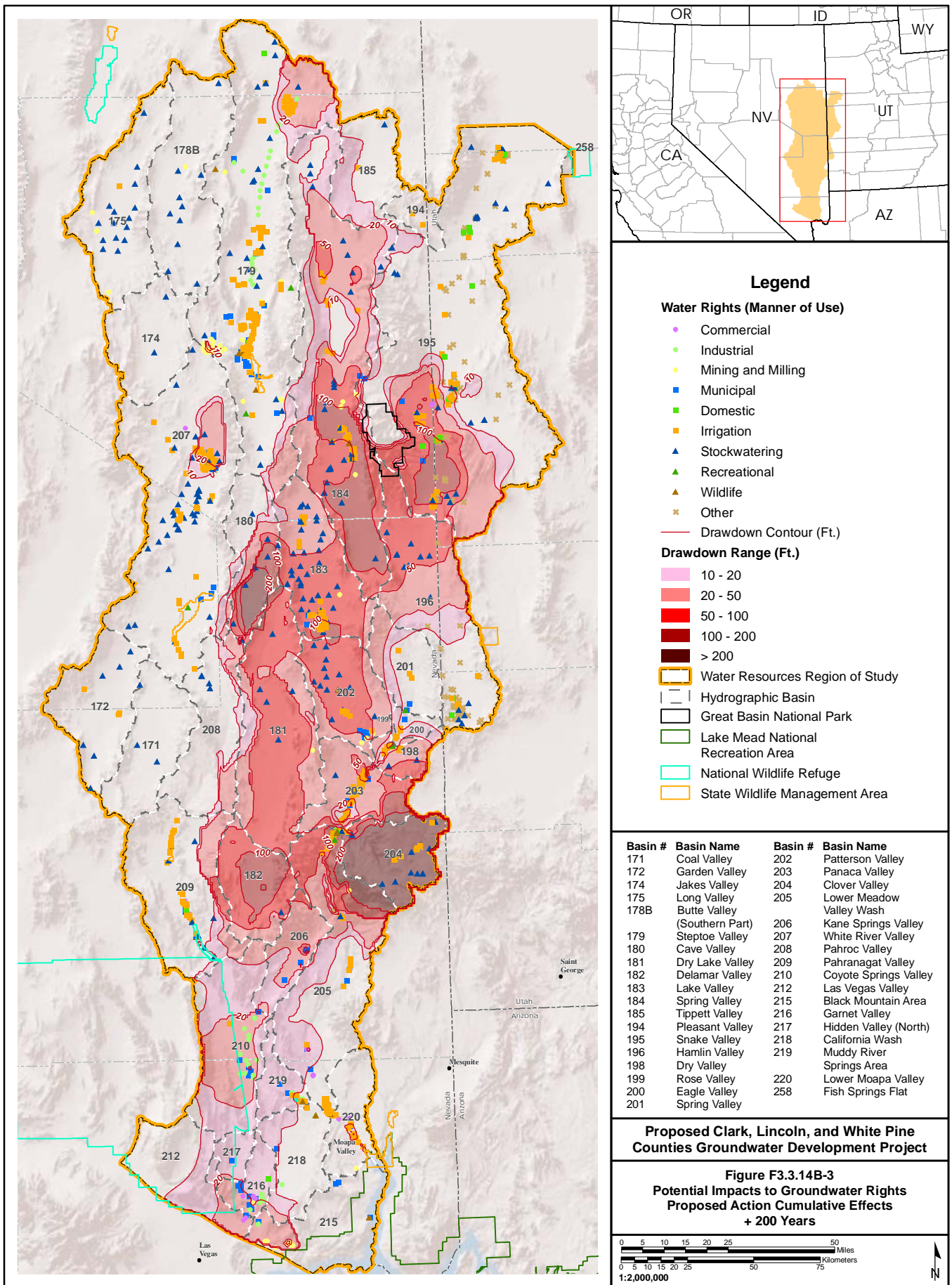
**Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project**

**Figure F3.3.14B-2  
Potential Impacts to Groundwater Rights  
Proposed Action Cumulative Effects  
+ 75 Years**

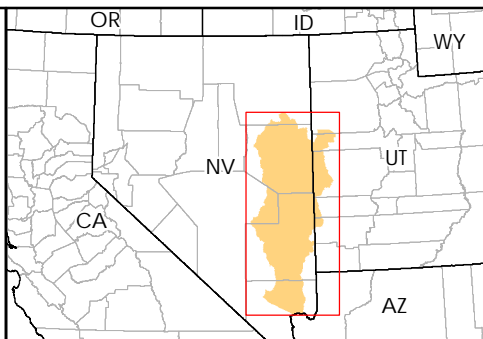
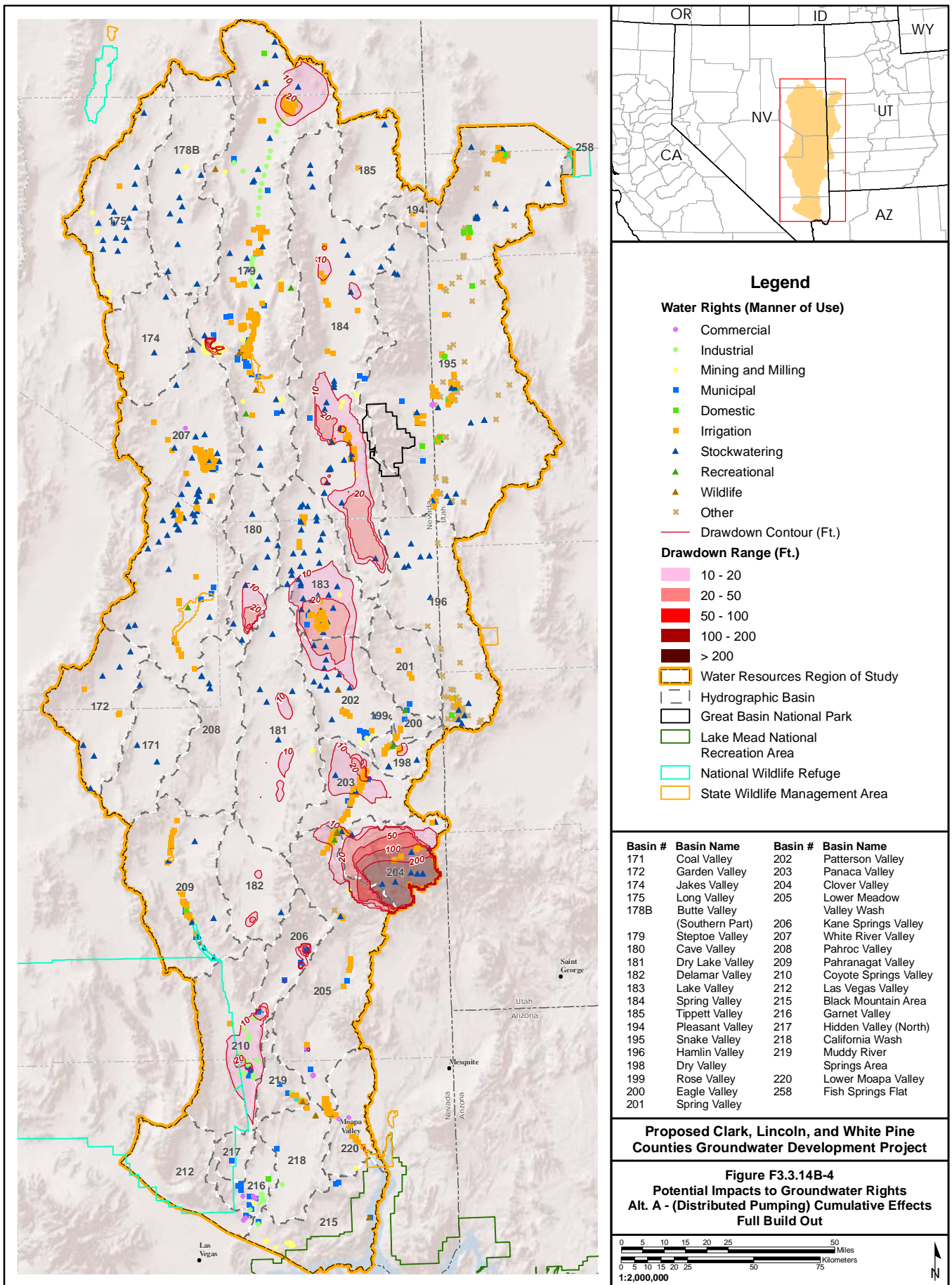


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**Legend**

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

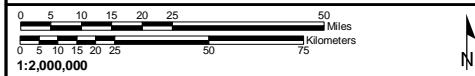
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

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

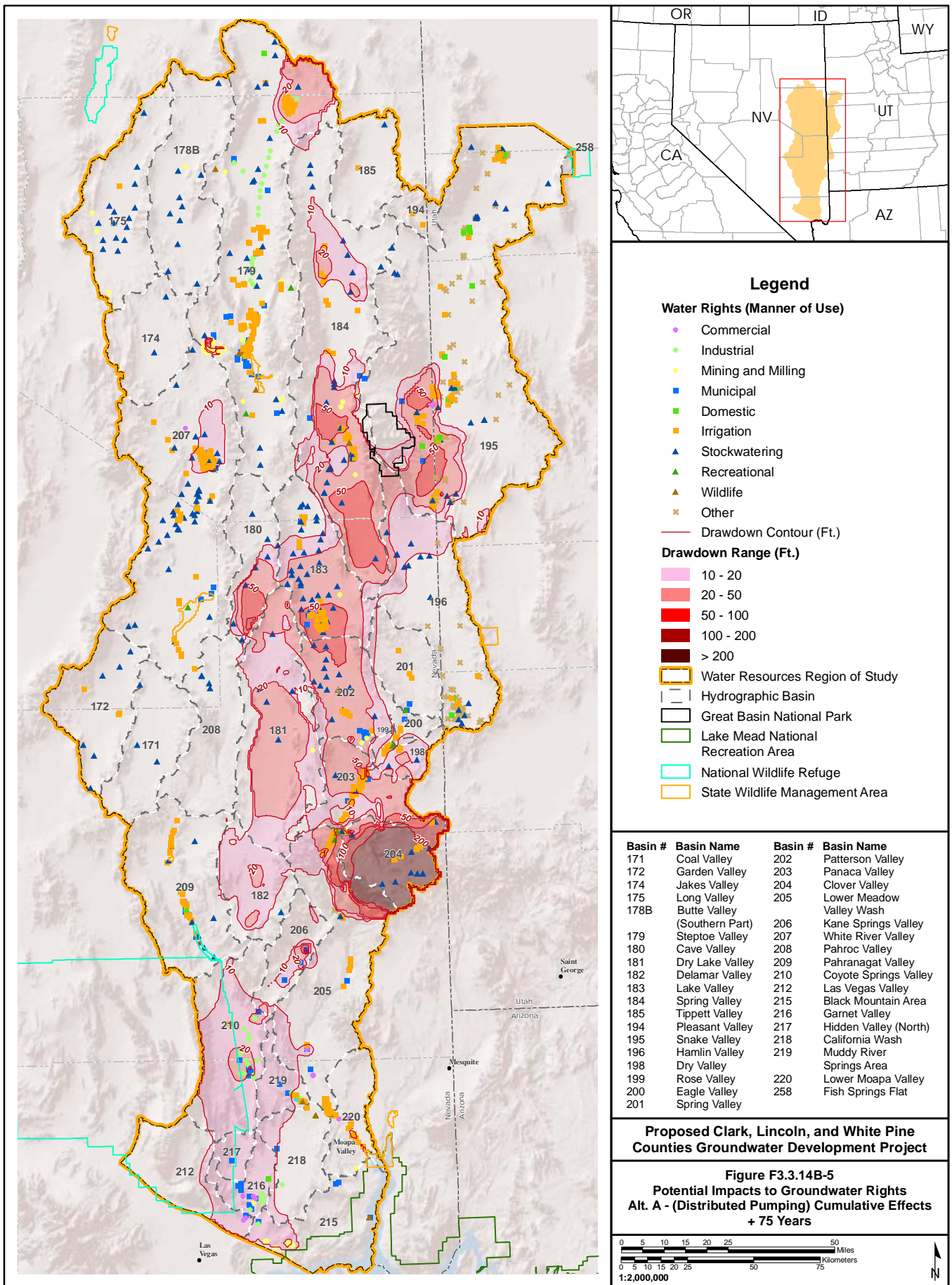
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
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174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River 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 F3.3.14B-4  
Potential Impacts to Groundwater Rights  
Alt. A - (Distributed Pumping) Cumulative Effects  
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 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
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**

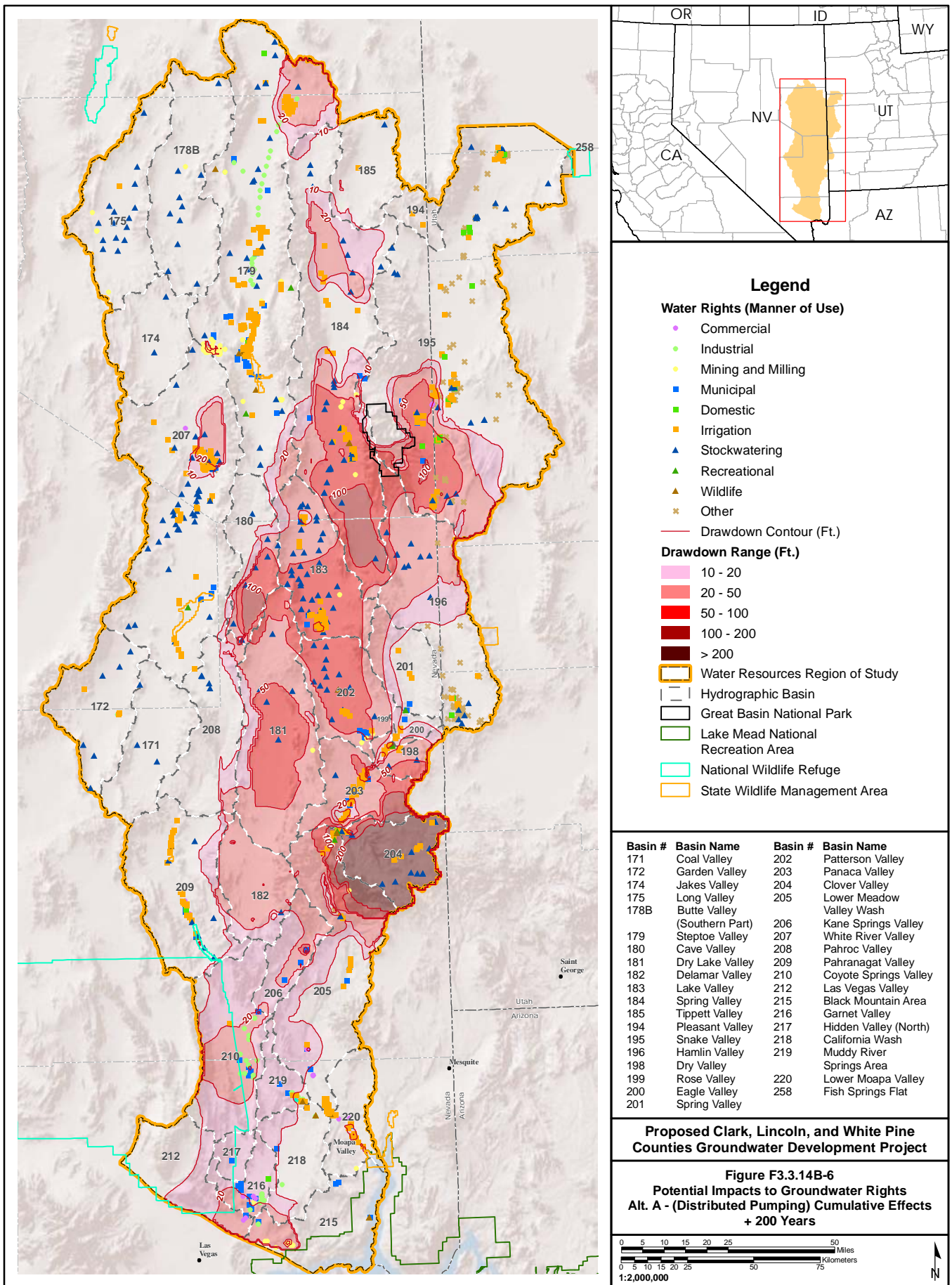
**Figure F3.3.14B-5  
Potential Impacts to Groundwater Rights  
Alt. A - (Distributed Pumping) Cumulative Effects  
+ 75 Years**

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.



### 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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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		

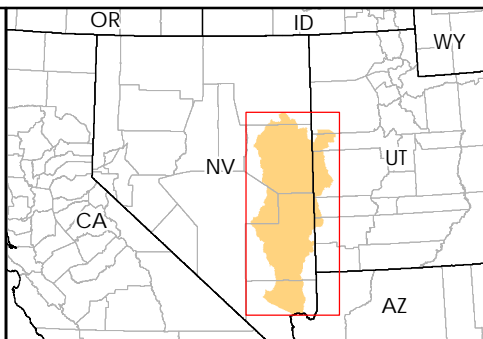
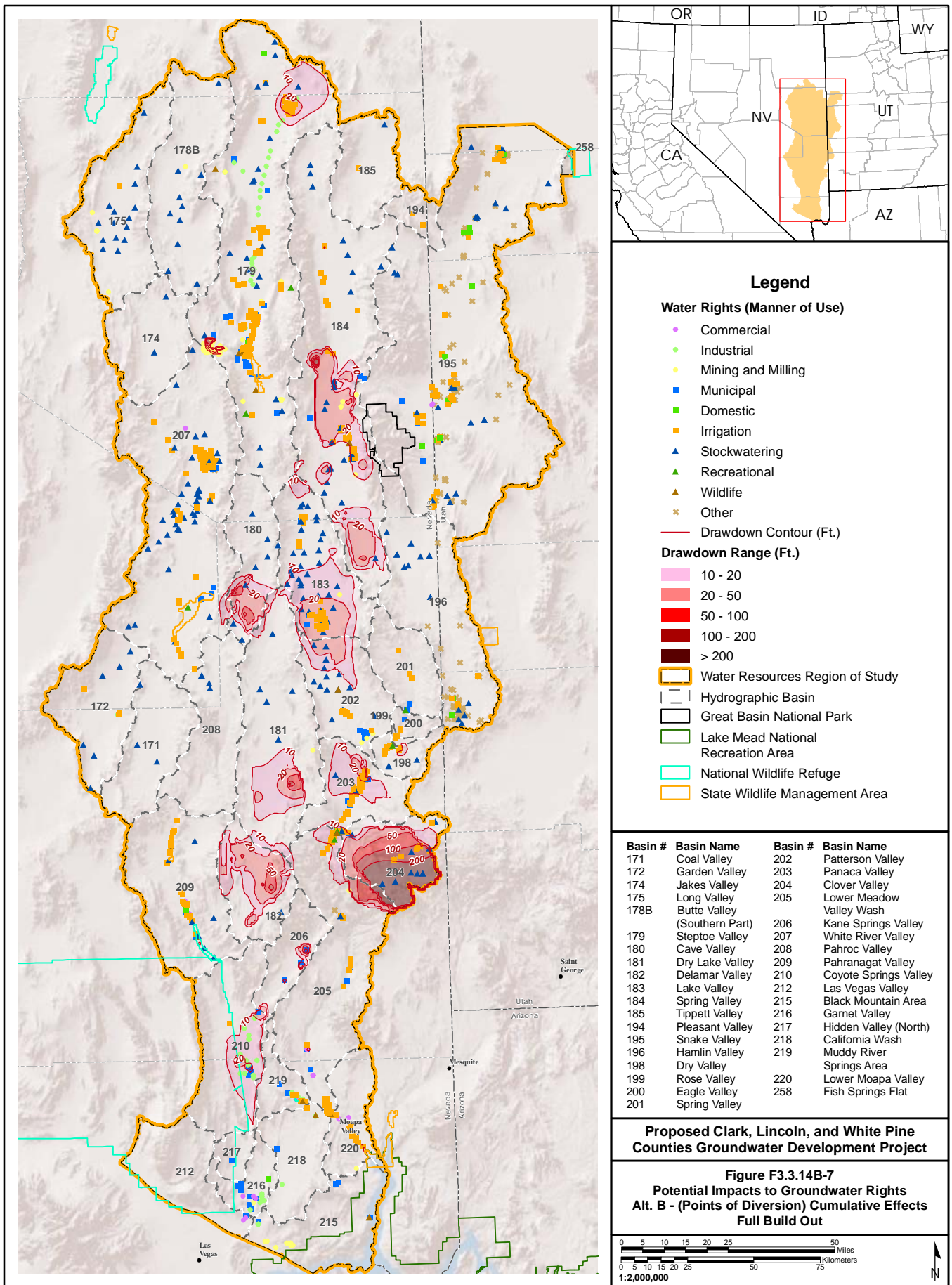
**Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project**

**Figure F3.3.14B-6**  
**Potential Impacts to Groundwater 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

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

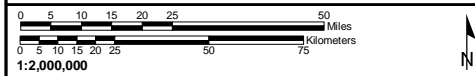
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

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

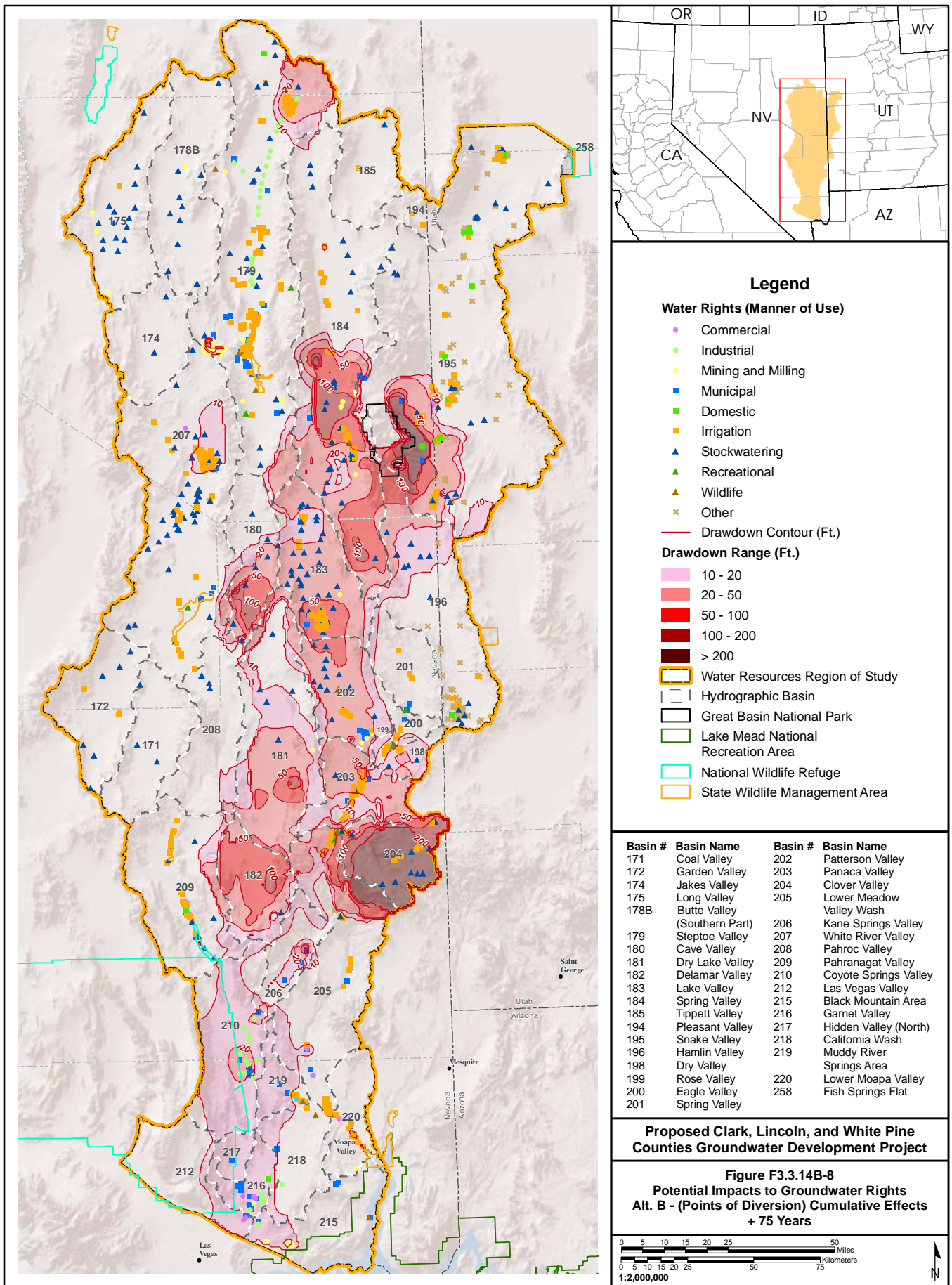
Basin #	Basin Name	Basin #	Basin Name
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194	Pleasant Valley	217	Hidden Valley (North)
195	Snake Valley	218	California Wash
196	Hamlin Valley	219	Muddy River Springs Area
198	Dry Valley	220	Lower Moapa Valley
199	Rose Valley	258	Fish Springs Flat
200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

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

**Figure F3.3.14B-7  
Potential Impacts to Groundwater Rights  
Alt. B - (Points of Diversion) Cumulative Effects  
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
- 100 - 200
- > 200

**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
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
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182	Delamar Valley	210	Coyote Springs 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**

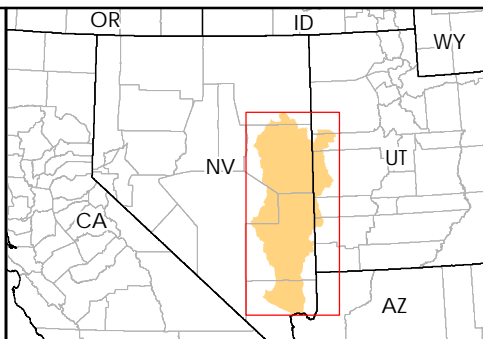
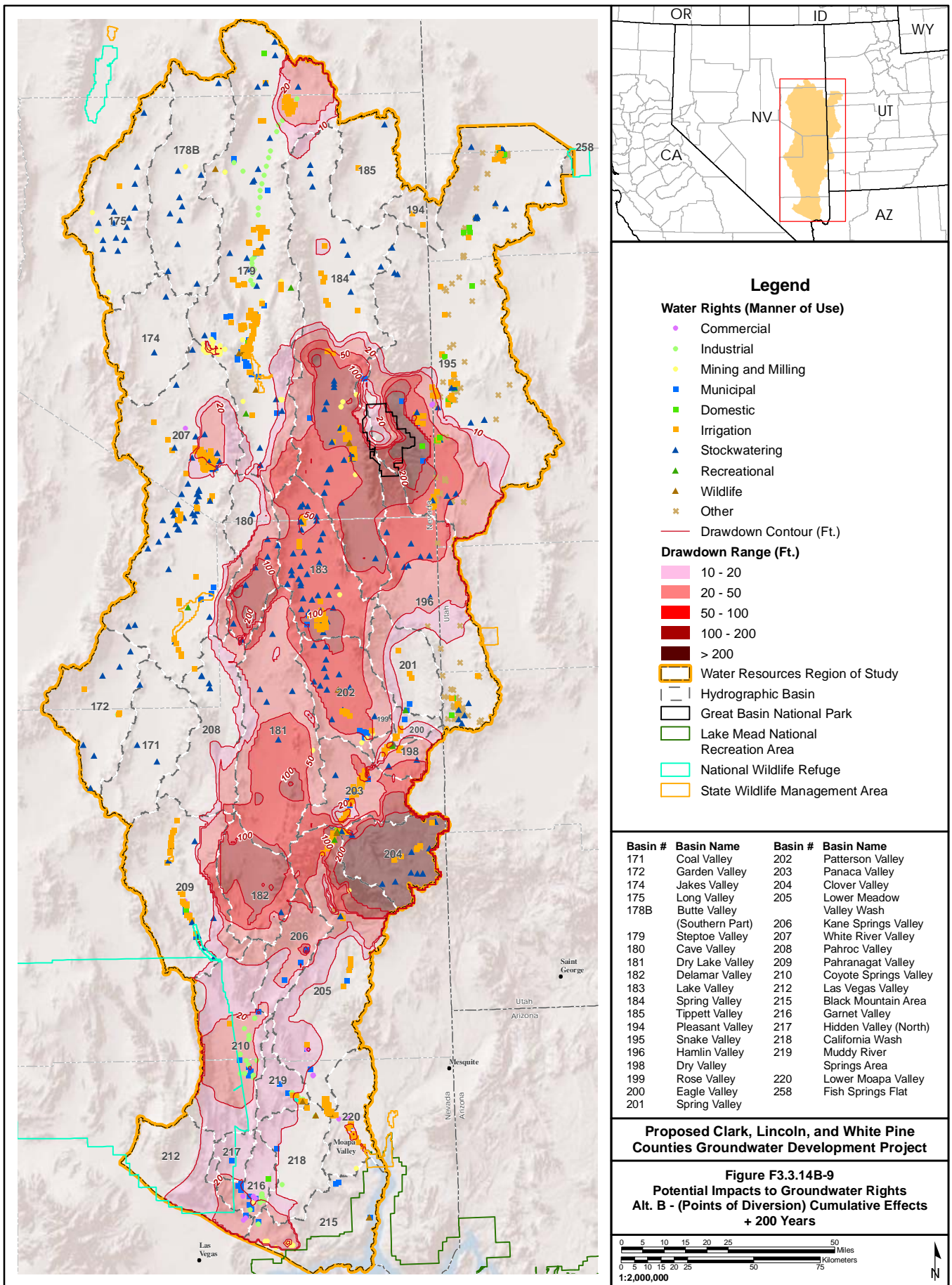
**Figure F3.3.14B-8**  
**Potential Impacts to Groundwater Rights**  
**Alt. B - (Points of Diversion) Cumulative Effects + 75 Years**

0 5 10 15 20 25 50 Miles

0 5 10 15 20 25 50 75 Kilometers

1:2,000,000

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.)**

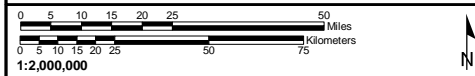
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

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

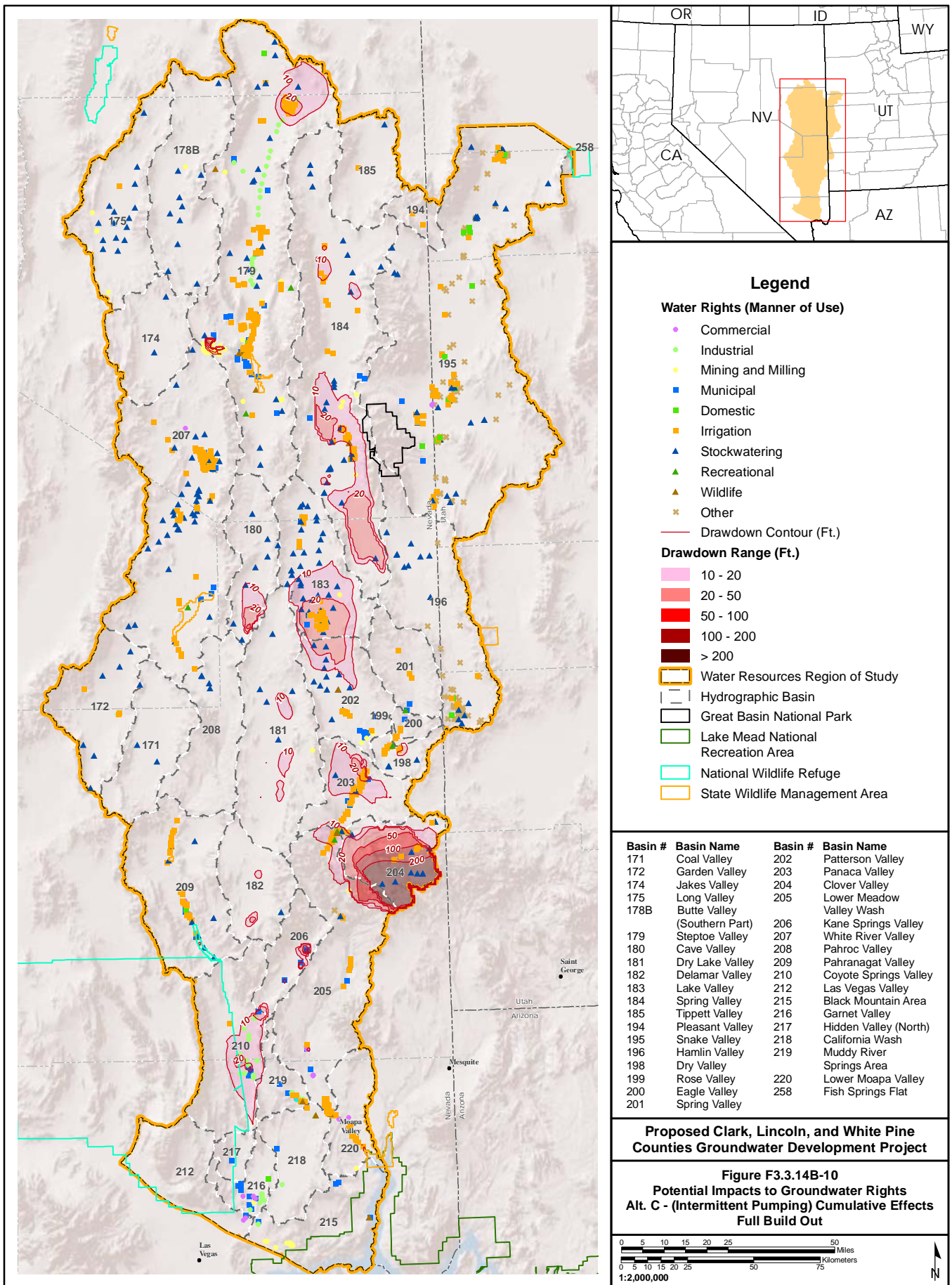
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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
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-9  
Potential Impacts to Groundwater Rights  
Alt. B - (Points of Diversion) Cumulative Effects  
+ 200 Years**

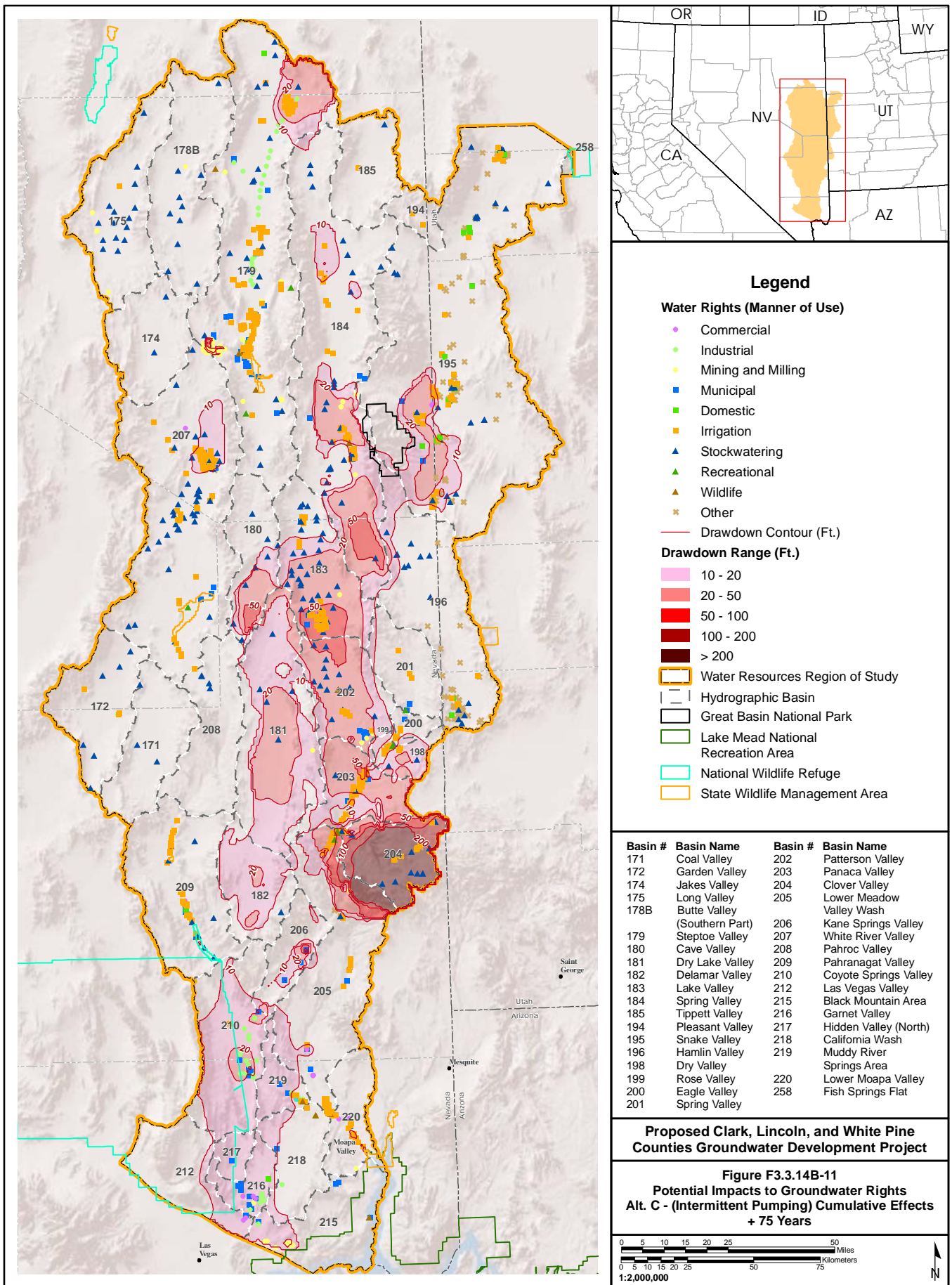


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No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.





### 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	Pahranaagat 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		

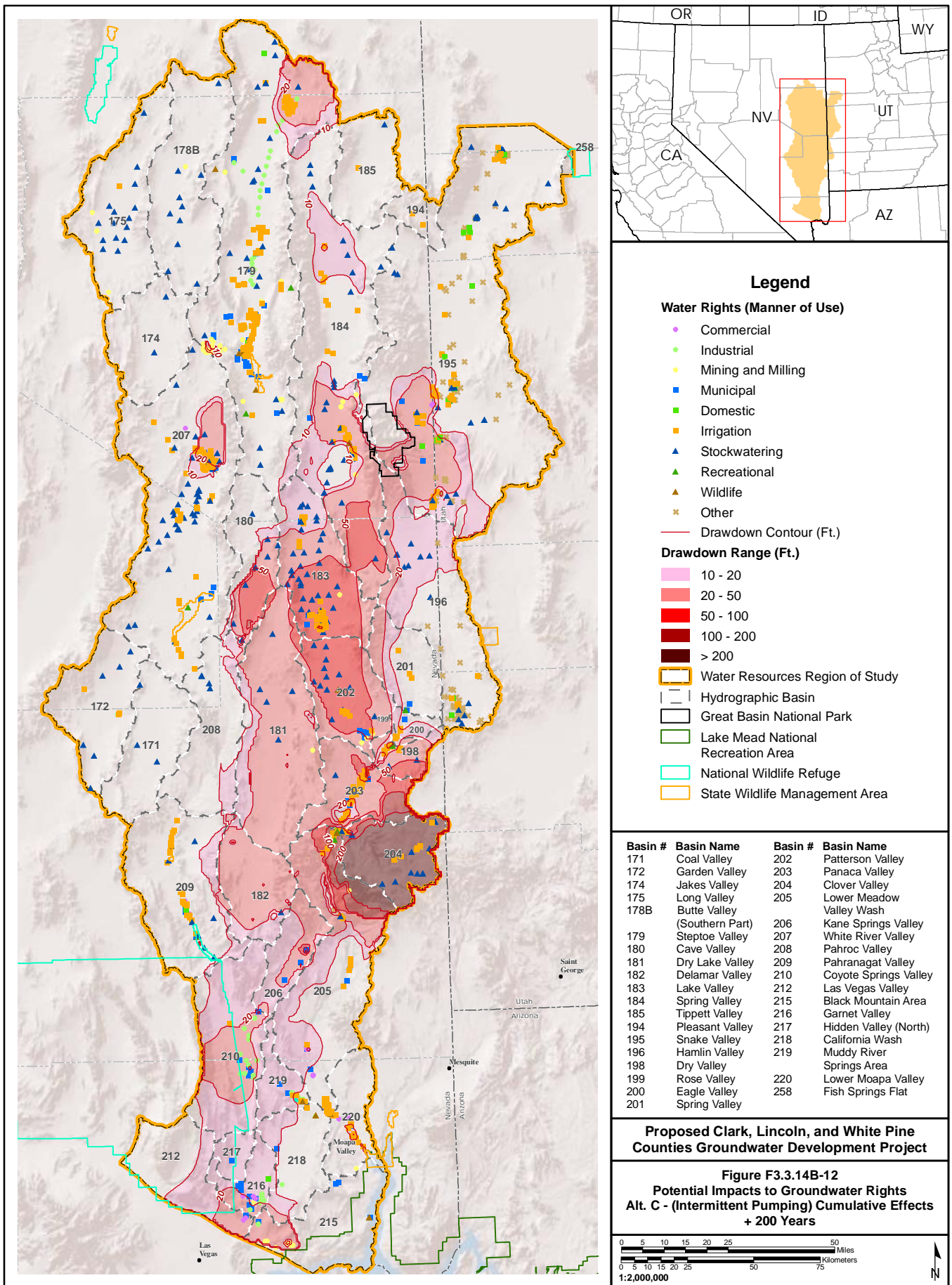
**Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project**

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

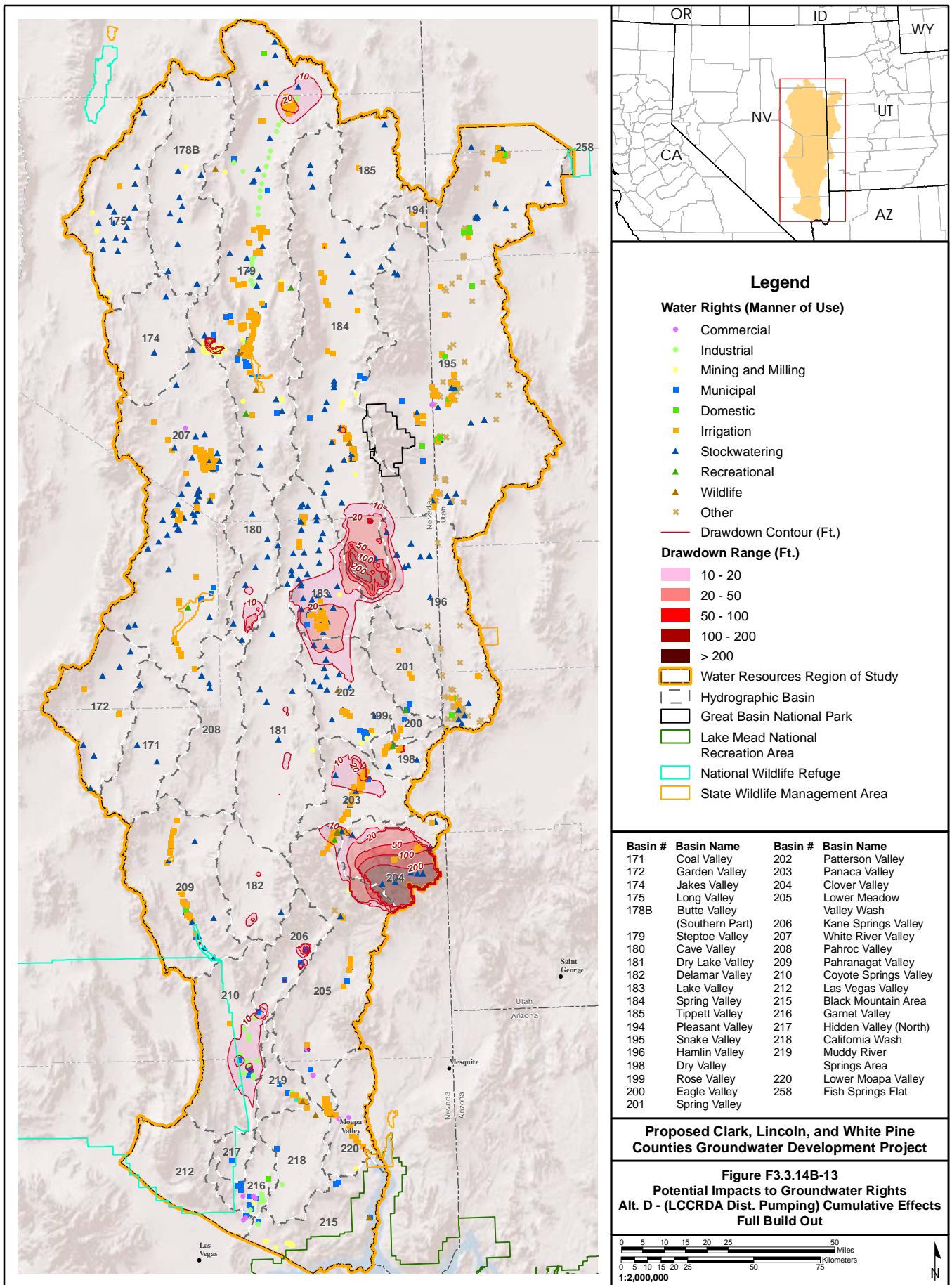
0 5 10 15 20 25 50 Miles  
 0 5 10 15 20 25 50 75 Kilometers

1:2,000,000

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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.



### Legend

**Water Rights (Manner of Use)**

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

— Drawdown Contour (Ft.)

**Drawdown Range (Ft.)**

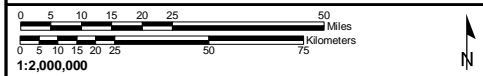
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- > 200

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

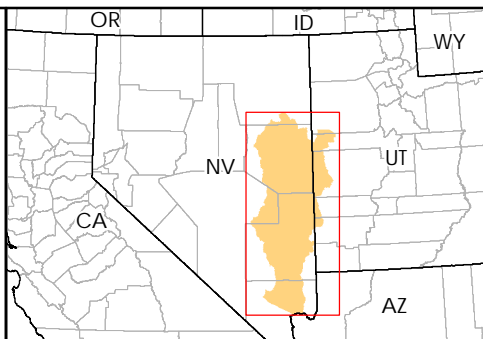
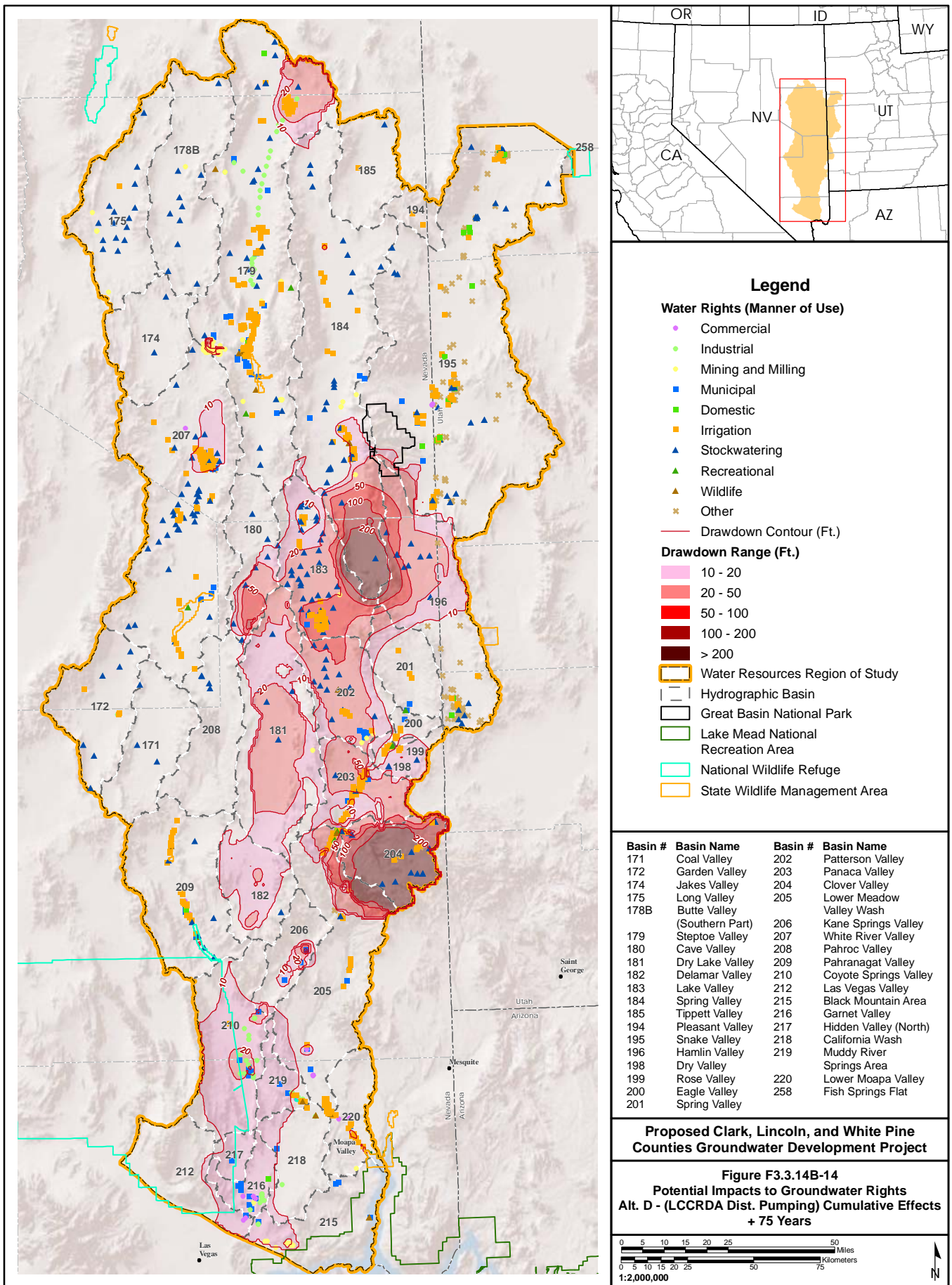
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14B-13  
Potential Impacts to Groundwater Rights  
Alt. D - (LCCRDA Dist. Pumping) Cumulative Effects  
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

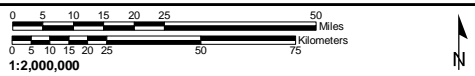
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

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

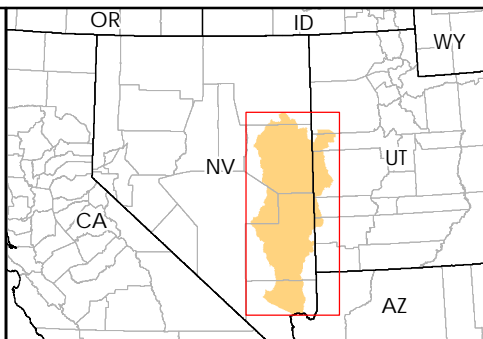
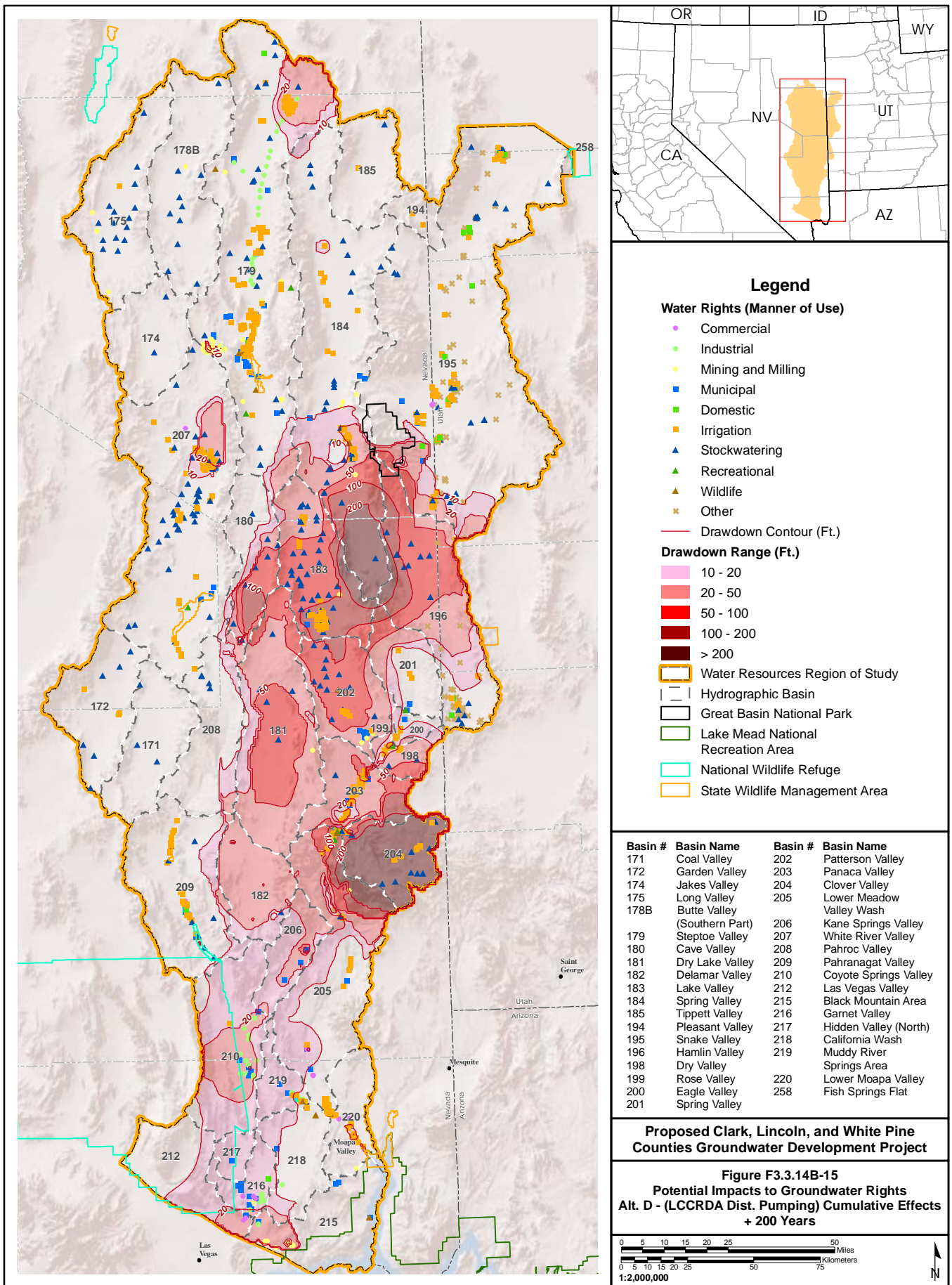
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14B-14**  
**Potential Impacts to Groundwater Rights**  
**Alt. D - (LCCRDA Dist. Pumping) Cumulative Effects + 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

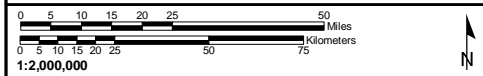
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

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

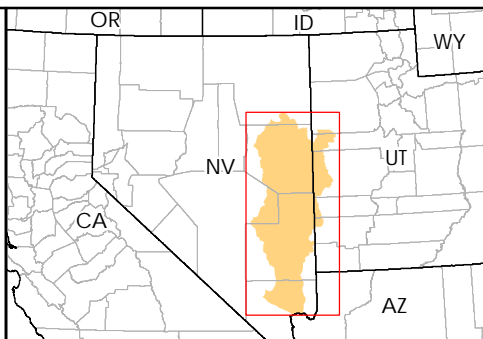
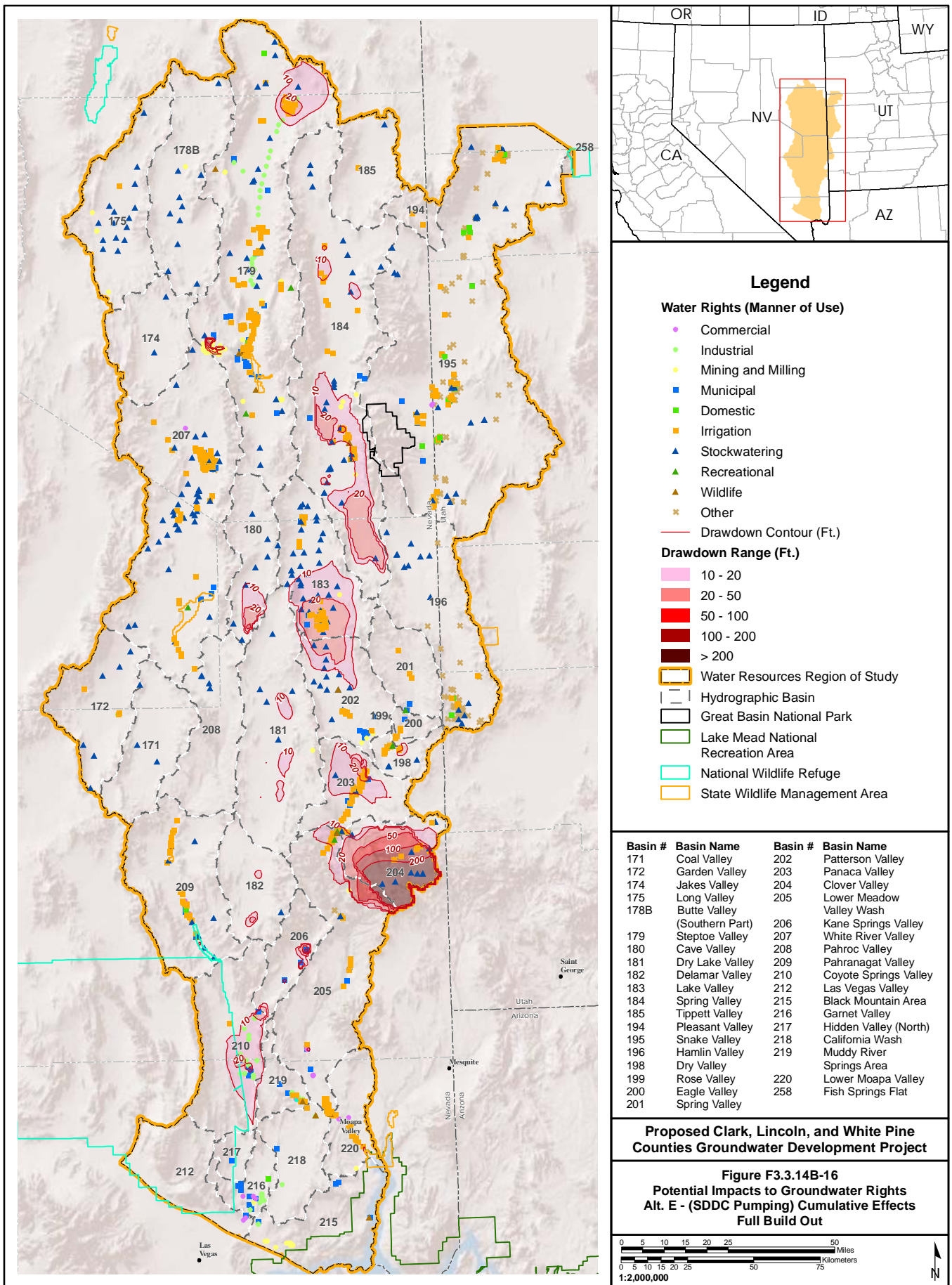
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14B-15**  
**Potential Impacts to Groundwater Rights**  
**Alt. D - (LCCRDA Dist. Pumping) 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.



**Legend**

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

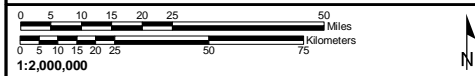
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

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

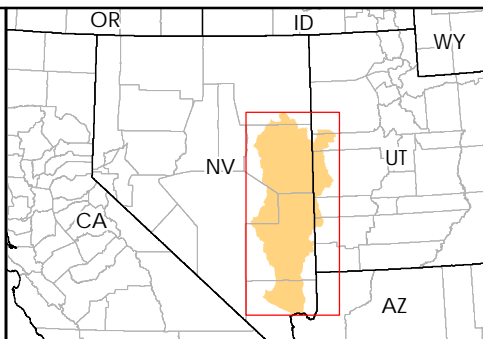
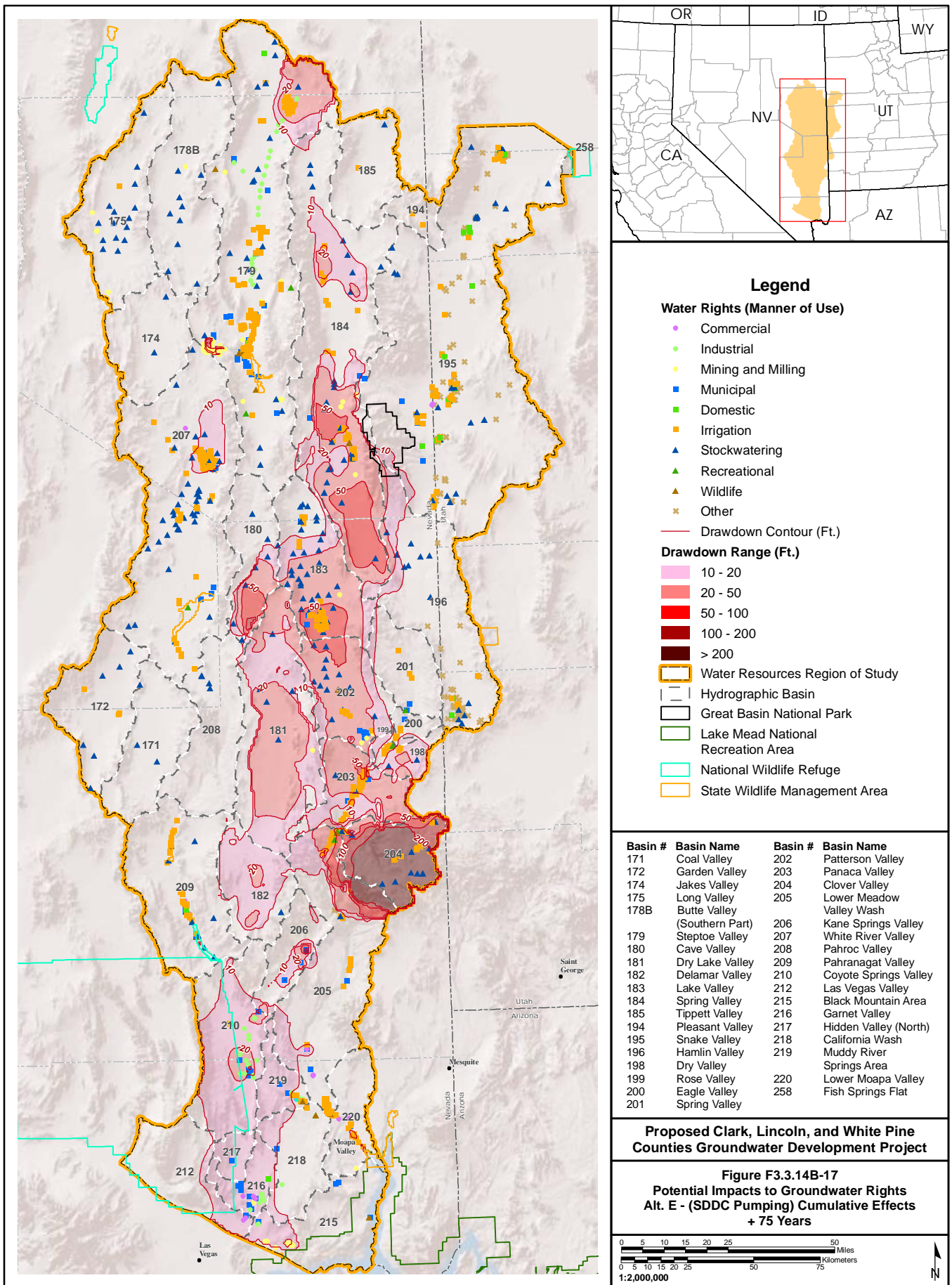
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14B-16**  
**Potential Impacts to Groundwater Rights**  
**Alt. E - (SDDC Pumping) Cumulative Effects**  
**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

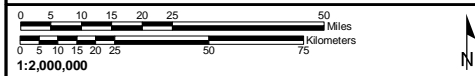
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

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

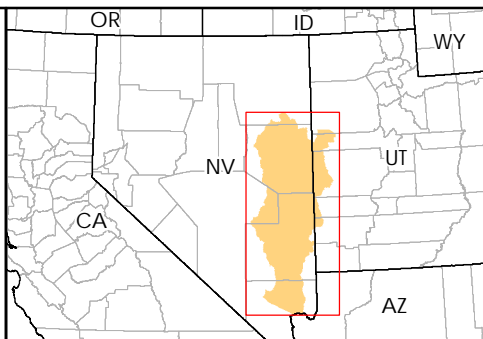
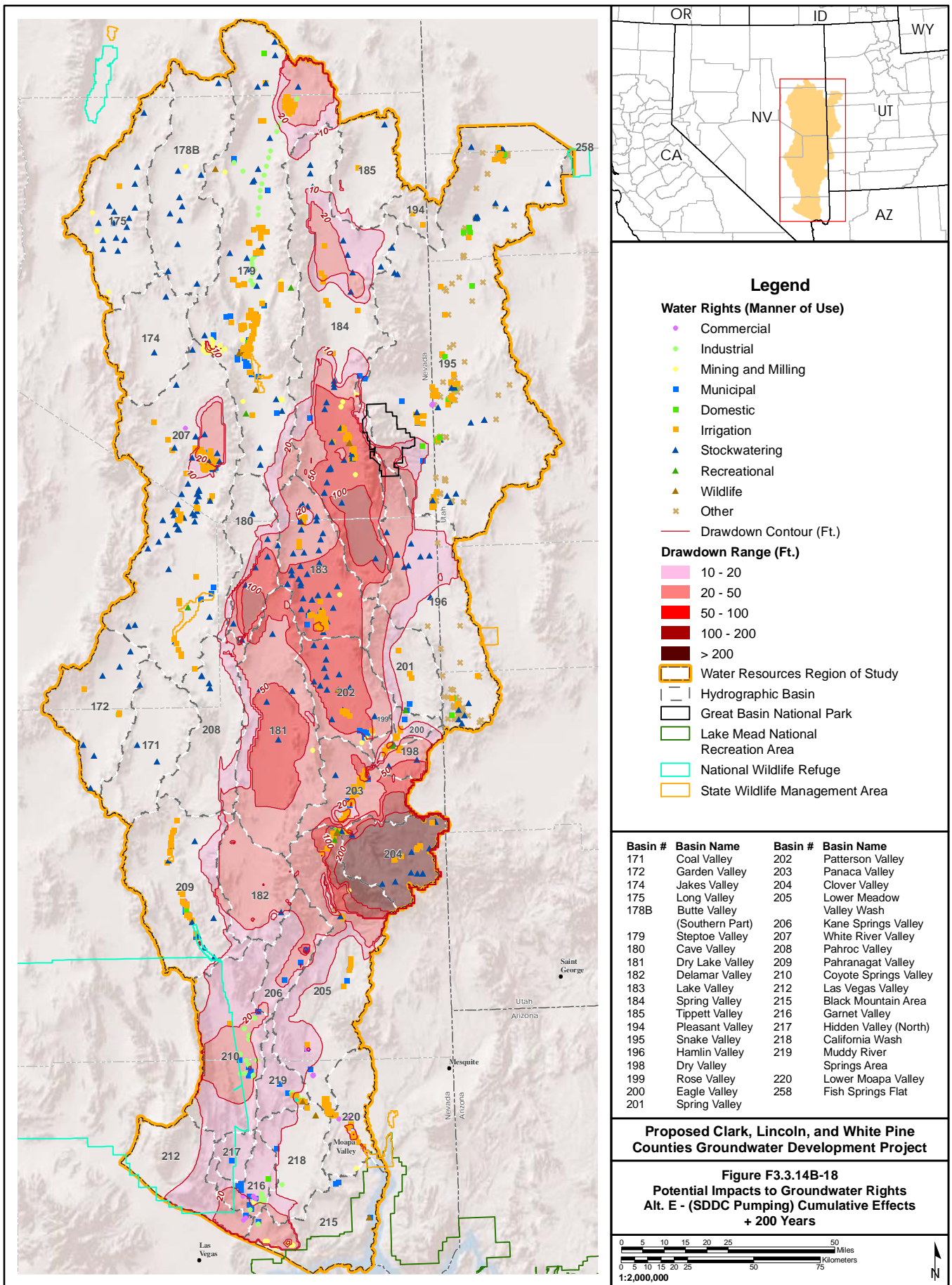
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14B-17**  
**Potential Impacts to Groundwater Rights**  
**Alt. E - (SDDC Pumping) Cumulative Effects**  
**+ 75 Years**



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**Legend**

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

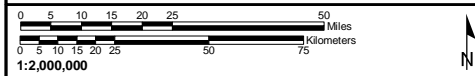
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

- 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
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		

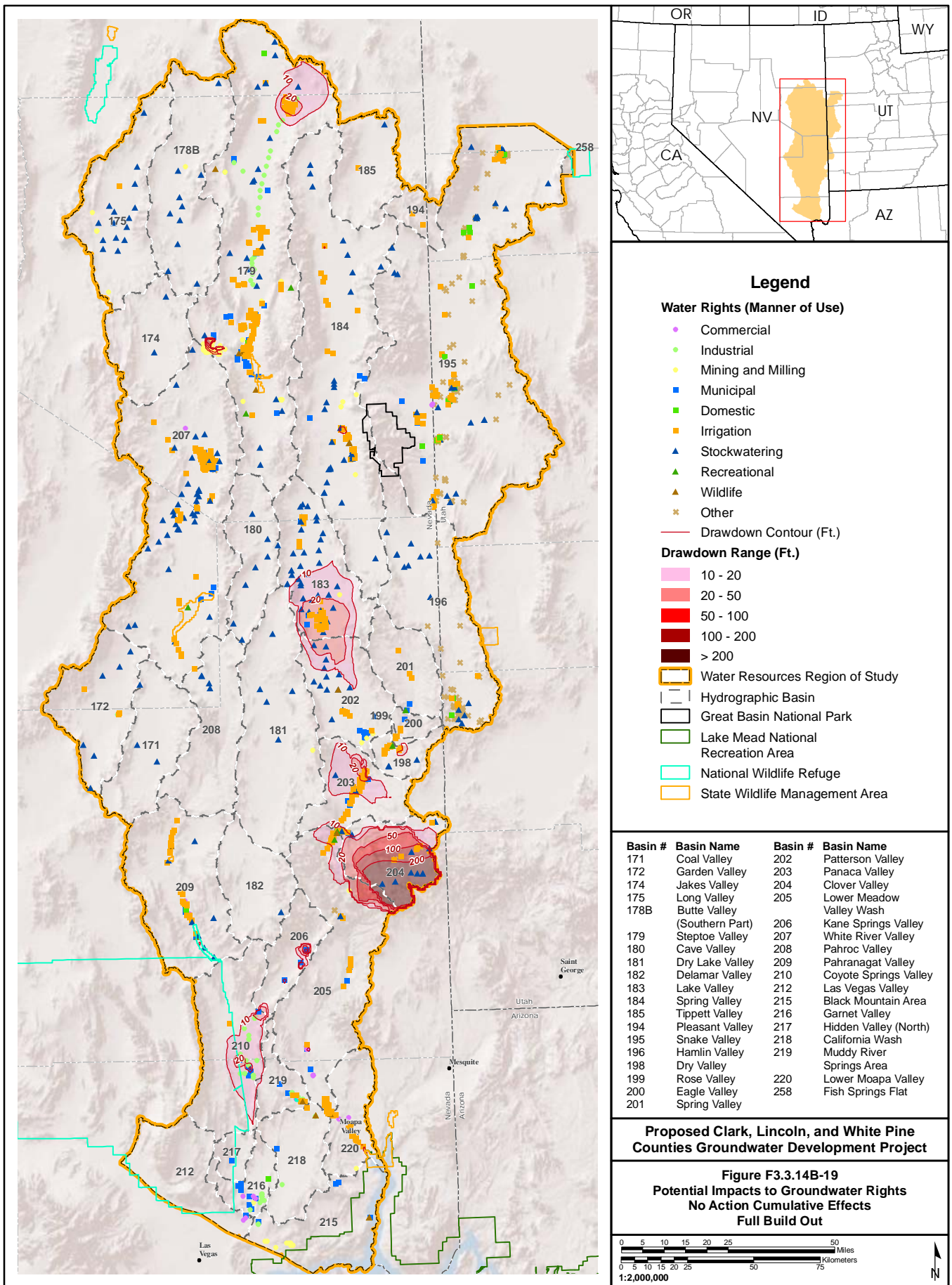
**Proposed Clark, Lincoln, and White Pine Counties Groundwater Development Project**

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

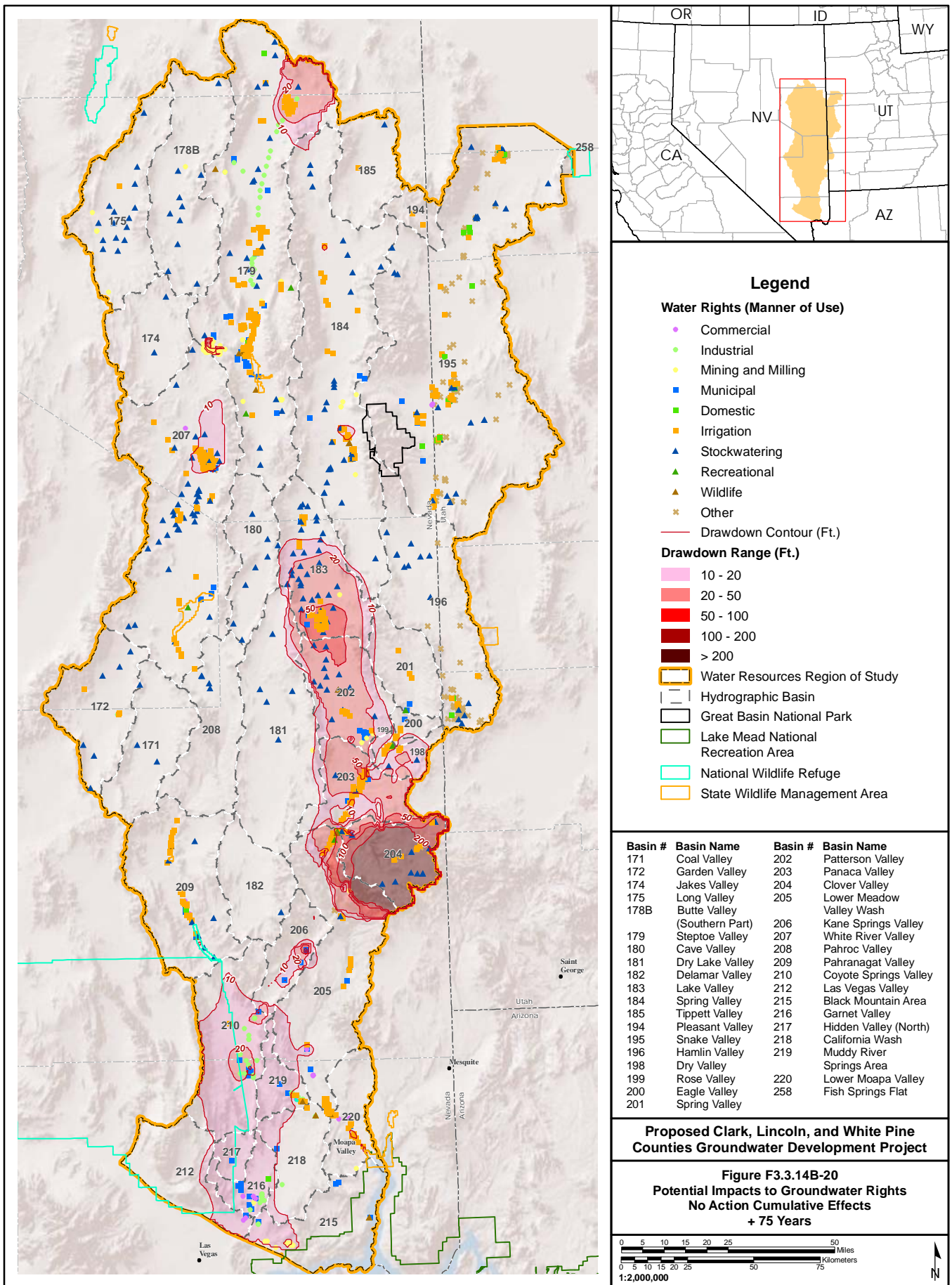


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### Legend

**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

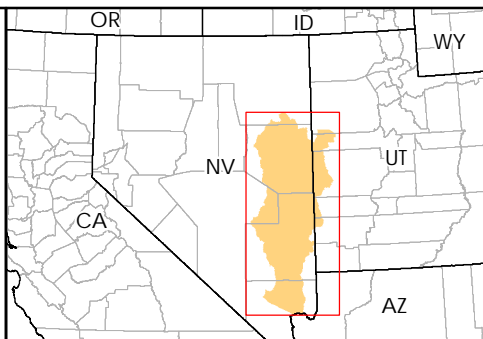
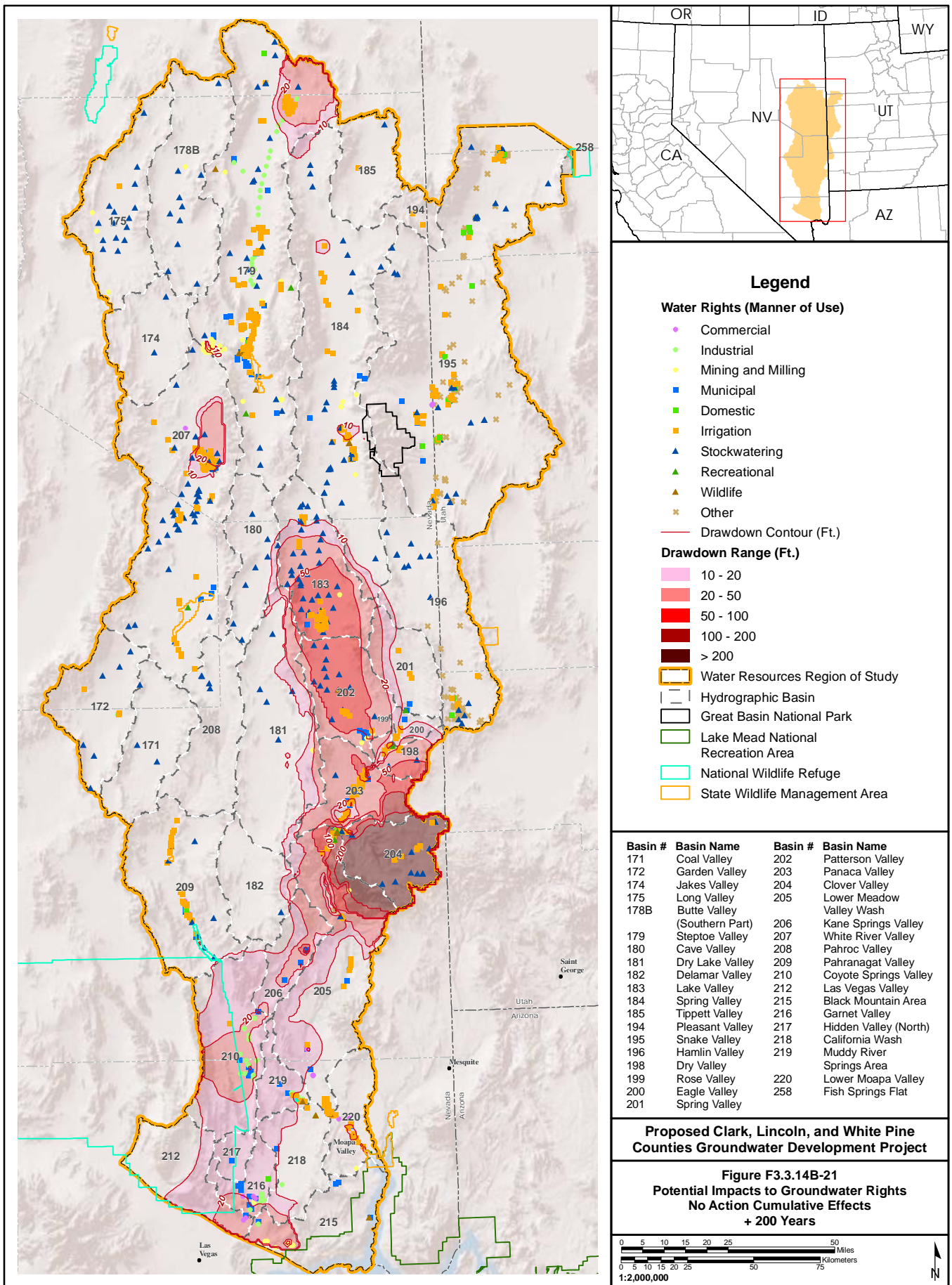
Basin #	Basin Name	Basin #	Basin Name
171	Coal Valley	202	Patterson Valley
172	Garden Valley	203	Panaca Valley
174	Jakes Valley	204	Clover Valley
175	Long Valley	205	Lower Meadow Valley Wash
178B	Butte Valley (Southern Part)	206	Kane Springs Valley
179	Steptoe Valley	207	White River Valley
180	Cave Valley	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 F3.3.14B-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

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

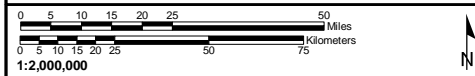
- Drawdown Range (Ft.)**
- 10 - 20
  - 20 - 50
  - 50 - 100
  - 100 - 200
  - > 200

- 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
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.