GROUNDBASE LEVEL CHANGES IN ARIZONA
WATER YEARS 1993 - 2013

By

Teri Davis, James Dieckhoff & Scott Stuk

March 2014

Explanation

Groundwater Level Change (ft):

- 0 to 20
- 20 to 40
- 40 to 60
- > 60
- < 1 ft
- > 1 ft

Values with depth or percent change are assumed for both years.

Streams
Water Level Change for each year:

Low = 73
High = 135

Surface Water

Legend:

- Low
- High

Note: Water level measurements have an associated remark (such as pumping, encroaching, etc.) for data table for specific conditions affecting water level.

Scale 1:750,000
Explanations:

- **Groundwater Level Change (foot):**
  - > 40
  - 20 to 40
  - 10 to 20
  - 1 to 10
  - < 1 foot change
  - -1 to -10
  - -10 to -20
  - -20 to -40
  - -40 to -60
  - > -60

- **Subbasins:**
- **Counties:**
- **Township:**
- **Range:**

- **Land Surface Elevation:**
  - feet above mean sea level (amsl)

- **High:**
  - 7,887

- **Low:**
  - 4,275

*One or both water level measurements have an associated remark (such as pumping, casing, etc.) for data that the specific condition affecting water level.*

For more information or copies contact:
ADWR Information Services
3550 North Central Avenue
Phoenix, AZ 85012
(602) 771-8677
www.azwater.gov
The Arizona Department of Water Resources

Groundwater Level Changes in Prescott AMA
Water Years 2003 - 2013

By
Teri Davis, James Dieckhoff & Scott Stuk
March 2014

Explanation
Groundwater Level Change (feet)

- 60
- 30
- 20
- 10
- 6
- 2
- 1
- 0

-1 to -10
-20 to -40
-3 to -5

- 80
- 50
- 40
- 30
- 20
- 10

-1 to 10
-20 to 40
-3 to 5

* One or both water level measurements have an associated remark (such as pumping, drilling, etc.)

For data help for specific condition affecting water level.

See data table for specific condition affecting water level.
Explanation

Groundwater Level Change (feet):

- > 40
- 20 to 40
- 10 to 20
- 1 to 10
- < 1 foot change
- -1 to -10
- -10 to -20
- -20 to -40
- > -40

Well in which depth to groundwater was measured in both years (WY 2012 and WY 2013). The number next to each well point (20) represents the difference in feet between measurements (water level change) for the time period specified. The water level change shown on the map is rounded to the nearest whole number. Unsigned values denote rises in water levels (blue points) and values with negative signs denote declines in water levels (red points).

* One or both water level measurements have an associated remark (such as pumping, cascading, etc.) for data table for specific condition affecting water level.

Land Surface Elevation

- High: 7,887
- Low: 4,275

Scale 1:60,000
GROUNDWATER LEVEL CHANGES IN PHOENIX AMA
WATER YEARS 1993 - 2013

By
Teri Davis, James Dieckhoff & Scott Stuk

March 2014

Explanation
Groundwater Level Change (feet)

-3 to -10
-11 to -20
-21 to -30
-31 to -40
-41 to -50
-51 to -60
-61 to -70

Land Surface Elevation

- Low (-100)
- Medium (-10 to -100)
- High (-100 to 100)

Note: Depth to groundwater was measured for both years. Values in Water Years 2013 (and any subsequent years) may be affected by other factors such as rainfall, recharge, or evolution of pumping. Refer to the above notes for information on ground water change.

For data go to:
https://gisweb.azwater.gov/waterresourcedata/

A.D.W.R OPEN-FILE REPORT NO. 13

For more information or copies contact:
ADWR Information Services
1070 North Central Avenue
Phoenix, AZ 85004
Phone: (602) 542-8627
www.azwater.gov

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34°0'0"N
111°0'0"W
112°30'0"W

Hydrology Division

GROUNDWATER LEVEL CHANGE MAP PLATE 7 of 18

SUB-BASINS OF THE PHOENIX AMA

ARIZONA GROUNDWATER BASINS
Explanation

Groundwater Level Change (feet)

-30  -23  -16  -9  -2  3  10  13  16  19  22  25  28  -1  2  5  8  11  14  17  20  23  26  29  32  35  38  41  44  47  50  53  56  59  62  65  68  71  74  77  80  83  86  89  92  95  98  101  104  107

Well which depth to groundwater was measured for both years

West of 112°0'0"W and east of 112°30'0"W

North American Datum 1983

Created on March 28th, 2014

Water Level Change Report:

Hydrology Division

By

Teri Davis, James Dieckhoff & Scott Stuk

March 2014

For data go to:

https://gis.water.gov/9b/centricwebmap.html

For more information or copies contact:

A&WRI Information Services
1120 North Central Avenue
Phoenix, AZ 85004-2102
Phone: (602) 771-8627

www.azwater.gov
GROUNDWATER LEVEL CHANGES IN PHOENIX AMA
WATER YEARS 2012 - 2013

By
Teri Davis, James Dieckhoff & Scott Stuk

March 2014

Explanation
Groundwater Level Change (feet)

- 10 to 40
- 5 to 10
- 1 to 5
- Inf change
- Less than -5
- -10 to -15
- -15 to -20
- -20 to -25
- -25 to -30
- Less than -30

- Well index
- Pump station
- Irrigation
- Reservoir
- Lake

Note: Index values are measured in feet above mean sea level.

See data table for specific condition affecting water level.

* One or both water level measurements have an associated remark (such as pumping, cascading, etc.)

For more information or copies contact:
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Phoenix, AZ 85004
Phone: (602) 771-8627
www.azwater.gov

https://gisweb.azwater.gov/waterresourcedata/
Explanation

- **Groundwater Level Change (feet):**
  - 5 to 10
  - 10 to 20
  - 20 to 40
  - 40 to 60
  - 60 to 80
  - 80 to 100
  - > 100

* Red signs denote declines in water levels (red points). See data table for specific condition affecting water level.

- **MAPS**
  - ARIZONA GROUNDWATER BASINS
  - SUB-BASINS OF THE TUCSON AMA

For more information or copies contact:
ADWR Information Services
350 North Central Avenue
Phoenix, AZ 85004
(602) 771-8627
www.azwater.gov

Groundwater Level Changes in Pinal AMA
Water Years 1993 - 2013
By
Teri Davis, James Dieckhoff & Scott Stuk
March 2014
GROUNDWATER LEVEL CHANGES IN PINAL AMA
WATER YEARS 2012 - 2013

By

Teri Davis, James Dieckhoff & Scott Stuk

March 2014
Explanation

Groundwater Level Change (feet)

- > 40
- 30 to 40
- 20 to 30
- 10 to 20
- 0 to 10
- -10 to -20
- -20 to -30
- -30 to -40
- -40 to -50
- -50 to -60

Well in which depth to groundwater was measured in both years (WY 2003 and WY 2013). The number next to each well point (20) denotes rises in water levels (blue points) and values with negative signs denote declines in water levels (red points).

Water level change shown on the map is rounded to the nearest whole number. Unsigned values change) for the time period specified. The water level change shown on

Well in which depth to groundwater was measured for both years.

For more information or copies contact:

ADWR Information Services
3550 North Central Avenue
Phoenix, AZ 85012
(602) 542-6527
www.azwater.gov
GROUNDWATER LEVEL CHANGES IN SANTA CRUZ AMA
WATER YEARS 1993 - 2013

By
Teri Davis, James Dieckhoff & Scott Stuk

March 2014

Explanation
Groundwater Level Change (feet):

- > 40
- 20 to 40
- 10 to 20
- 1 to 10
- < 1 foot change
- -10 to -20
- -20 to -40
- -40 to -60
- > -60

Streams
Boundaries

* Map of bulk-water level measurements (i.e., unaccounted remarks such as pumping, contact, etc.)
* Not relatable for specific conditions affecting water level.

Land Surface Elevation
feet above mean sea level (amsl)
High : 9,460
Low : 3,000

Scale 1:75,000
Explanation

Groundwater Level Change (feet):

- 0 to 10
- 11 to 20
- 21 to 30
- 31 and over

Well in which depth to groundwater was measured for both years (WY 2003 and WY 2013). The number next to each well point (20) represents the difference in feet between measurements (water level change) for the time period specified. The water level change shown on the map is rounded to the nearest whole number. Unsigned values denote rises in water levels (blue points) and values with negative signs denote declines in water levels (red points).

* One or both water level measurements have an associated remark (such as pumping, cascading, etc.) Not editable for specific conditions affecting water level.
Explanation

Groundwater Level Change (foot):

- > 40
- 20 to 40
- 10 to 20
- 1 to 10
- < 1 foot change
- -10 to -20
- -20 to -40
- -40 to -60
- > -60

Well in which depth to groundwater was measured for both years (WY 2012 and WY 2013). The number next to each well point (20) represents the difference in feet between measurements (water level change) for the time period specified. The water level change shown on the map is rounded to the nearest whole number. Unsigned values denote rises in water levels (blue points) and values with negative signs denote declines in water levels (red points).

* One or both water level measurements have an associated remark (such as pumping, cascading, etc.) See data table for specific condition affecting water level.

Land Surface Elevation
feet above mean sea level (amsl)
High : 9,460
Low : 3,000

Scale 1:75,000
Figure 1 - Arizona Groundwater Basins, Sub-basins and Water Atlas Planning Areas

Explanation
- Active Management Areas
- Central Highlands
- Eastern Plateau
- Lower Colorado River
- Southeastern Arizona
- Upper Colorado River
- Western Plateau
- Groundwater Basin

Scale 1:725,000

Hydrology Division
Created on March 28th, 2014
North American Datum 1983