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**MS** MOYES SELLERS & S

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1850 N. Central Ave., #1100 • Phoenix, AZ 85004 • fax 602.274.9135

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September 16, 2008

RECEIVED  
2008 SEP 16 P 1:56  
AZ CORP COMMISSION  
DOCKET CONTROL

Rochelle  
Docket Control  
Arizona Corporation Commission  
1200 W Washington  
Phoenix, AZ 85007

Re: L-00000HH-08-0422-00141

Dear Rochelle:

Pursuant to our conversation this morning, attached is the Notice of Errata to correct a portion of Exhibit B-2 in the CEC Application. I understand that docket control will take care of distributing the substituting corrected pages to the parties involved.

Thank you for your assistance. As always, feel free to contact me if you have any questions or concerns.

Sincerely,

LuAnn Kay Kornegay  
Assistant to Jay I. Moyes

LKK/me  
Enclosures

Arizona Corporation Commission  
**DOCKETED**

SEP 16 2008

DOCKETED BY

1  
2  
**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

3 In the matter of the Application of **Coolidge**  
4 **Power Corporation** in conformance with the  
5 requirements of Arizona Revised Statutes 40-  
6 360.03 and 40-360.06 for a Certificate of  
7 Environmental Compatibility authorizing the  
8 **Coolidge Generating Station**, a nominal 575  
9 MW natural gas-fired, simple cycle generating  
10 facility located within the City of Coolidge in  
11 Pinal County, Arizona.

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)  
) Docket No. L-00000HH-08-0422-00141  
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) Case No. 141  
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**NOTICE OF ERRATA**

Applicant, Coolidge Power Corporation, hereby provides Notice of Errata to correct a portion of Exhibit B-2 of the original Application for Certificate of Environmental Compatibility filed on August 8, 2008, that was incorrect. Attached is a corrected version of that portion of the Application. Please substitute these corrected pages in all copies of the Application.

RESPECTFULLY SUBMITTED this 16<sup>th</sup> day of September, 2008.

MOYES SELLERS & SIMS



Jay I. Moyes  
1850 N. Central Avenue, Suite 1100  
Phoenix, Arizona 85004  
(602) 604-2141

ORIGINAL & 25 copies of the  
Foregoing were filed with Docket  
Control on the 16<sup>th</sup> day of September, 2008.

2008 SEP 16 P 1:56  
RECEIVED  
AT CORP COMMISSION  
DOCKET CONTROL

1 Copies of the foregoing were mailed  
2 this 1<sup>st</sup> day of September, 2008, to:

3 Bob Gray  
4 Utilities Division  
5 Arizona Corporation Commission  
6 1200 West Washington Street  
7 Phoenix, Arizona 85007  
8 bgray@azcc.gov

9 Maureen A. Scott  
10 Senior Staff Counsel  
11 Arizona Corporation Commission  
12 1200 West Washington Street  
13 Phoenix, Arizona 85007  
14 msscott@azcc.gov

15 Arizona Reporting Service  
16 2200 N Central Avenue #501  
17 Phoenix, AZ 85004

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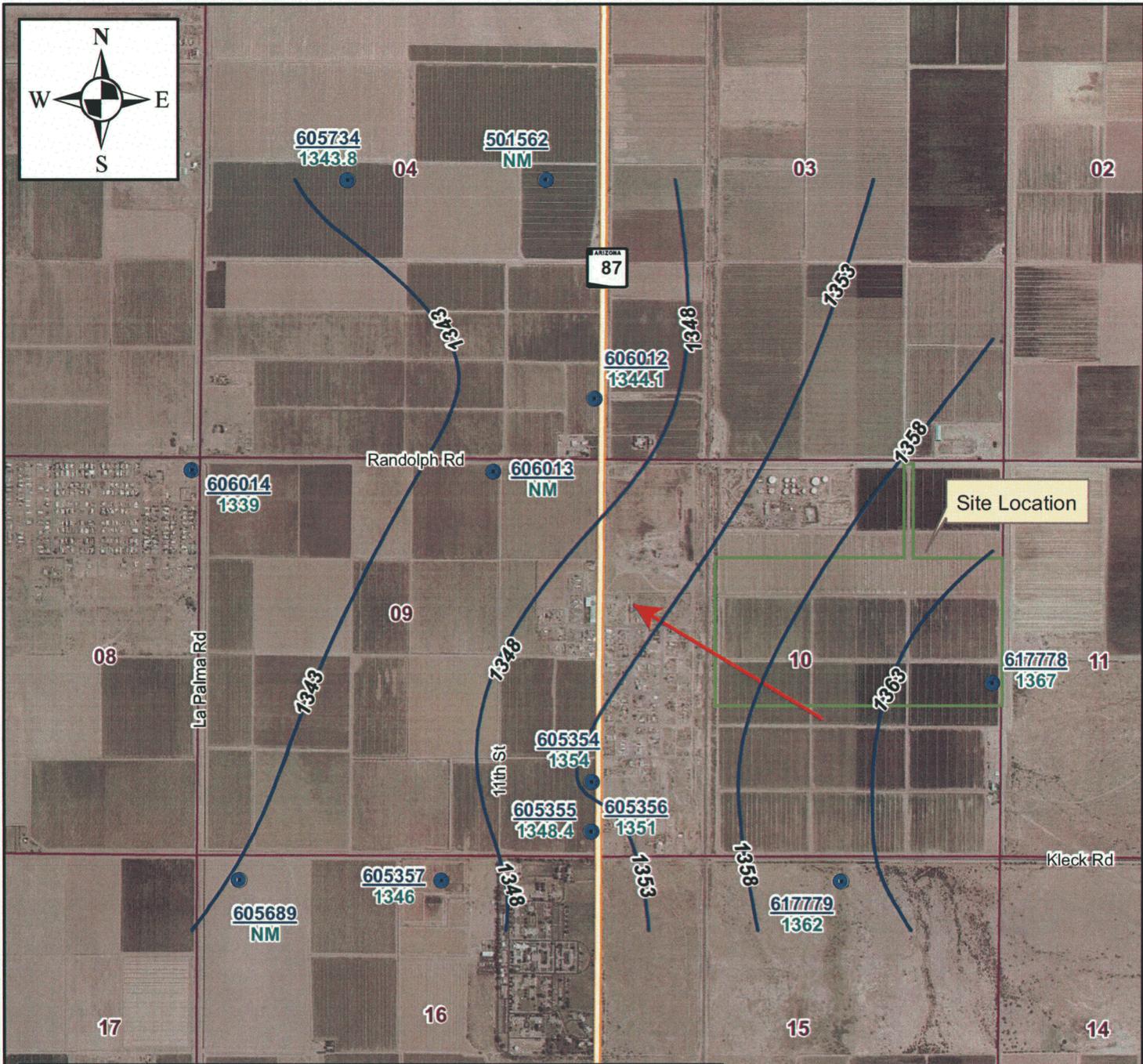
### IMPACTS FROM GROUNDWATER WITHDRAWALS

Withdrawal of groundwater from these wells is expected to have a minimal effect on the Eloy Sub-basin Aquifer. To simulate the potential impact on the aquifer, an analysis of the drawdown and cone of depression was performed based on the estimated range of annual water withdrawal rate for 20 years. The impact was modeled using WINFLOW™, an analytical element model to simulate 2-dimensional, transient groundwater flow for the area surrounding the Site. The model was run to simulate the potential drawdown impacts of the proposed production wells on the aquifer and surrounding wells. Modeled hydraulic conductivity was assumed to be 58.4 feet per day, based on the mean UAU value presented in Wickham and Corkhill, 1989. The aquifer parameters assumed for the model were those presented above as part of the water resources description. Aquifer thickness was assumed to be 250 feet, based upon the recent onsite drilling data.

The model assumed pumping using a well field of two wells, both pumped continuously throughout a period of 20 years at a rate that would fulfill the estimated Project water requirement for each of three alternative scenarios of Project operations, "A", "B" and "C", assuming full power output of all 12 generating Units for (A) 600 hours per year, (B) 1200 hours per year, or (C) 3200 hours per year throughout that same 20-year period. Those three operating scenarios require the following corresponding annual quantities of water and equivalent rates of continuous pumping throughout the 20-year period: (A) 140 acre-feet per year, equating to 43 gpm per well; (B) 276 acre-feet per year, equating to 86 gpm per well; and (C) 736 acre-feet per year, equating to 228 gpm per well.

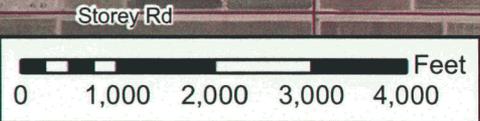
Results of the impact modeling indicate the following projected drawdowns after 20 years under the three operating scenarios:

- A. Under operating scenario A (600 hours per year), a cone of depression would be formed in the water table with a maximum drawdown of approximately 1.1 foot at the center of pumping. Drawdowns at distances of 0.5, 0.75 and one mile away are projected to be approximately 0.65, 0.55 and less than 0.5 foot, respectively, after 20 years. The details of the drawdown calculations under scenario A are shown in **Appendix B.2-3**.
- B. Under operating scenario B (1,200 hours per year), a cone of depression would be formed in the water table with a maximum drawdown of approximately 2.3 feet at the center of pumping. Drawdowns at distances of 0.5, 0.75 and one mile away are projected to be approximately 1.3, 1.1 and 1.0 feet, respectively, after 20 years. The details of drawdown calculations under scenario B are shown in **Appendix B.2-3**.
- C. Under operating scenario C (3,200 hours per year), a cone of depression would be formed in the water table with a maximum drawdown of approximately 6.0 feet at the center of pumping. Drawdowns at distances of 0.5, 0.75 and one mile away are projected to be approximately 3.4, 3.0 and 2.8 feet, respectively, after 20 years. The details of the drawdown calculations under scenario C are shown in **Appendix B.2-3**.



**Legend**

- Site Location
  - Nov. 1993 Groundwater Elevation *contour interval = 5 feet*
  - ➔ Estimated Groundwater Flow Direction
  - Section
  - Sample Wells
- |               |           |
|---------------|-----------|
| <b>617778</b> | Well ID   |
| <b>1367</b>   | Elevation |



Map Document: (X:\Projects\08-115-05005\MXD\193 Elev.mxd) 7/14/2008 - 10:58:12 AM

JOB NO.: 08-115-05005  
 DESIGN: LLJM  
 DRAW: AMEC GIS  
 DATE: 8/22/08  
 SCALE: 1" = 2000'

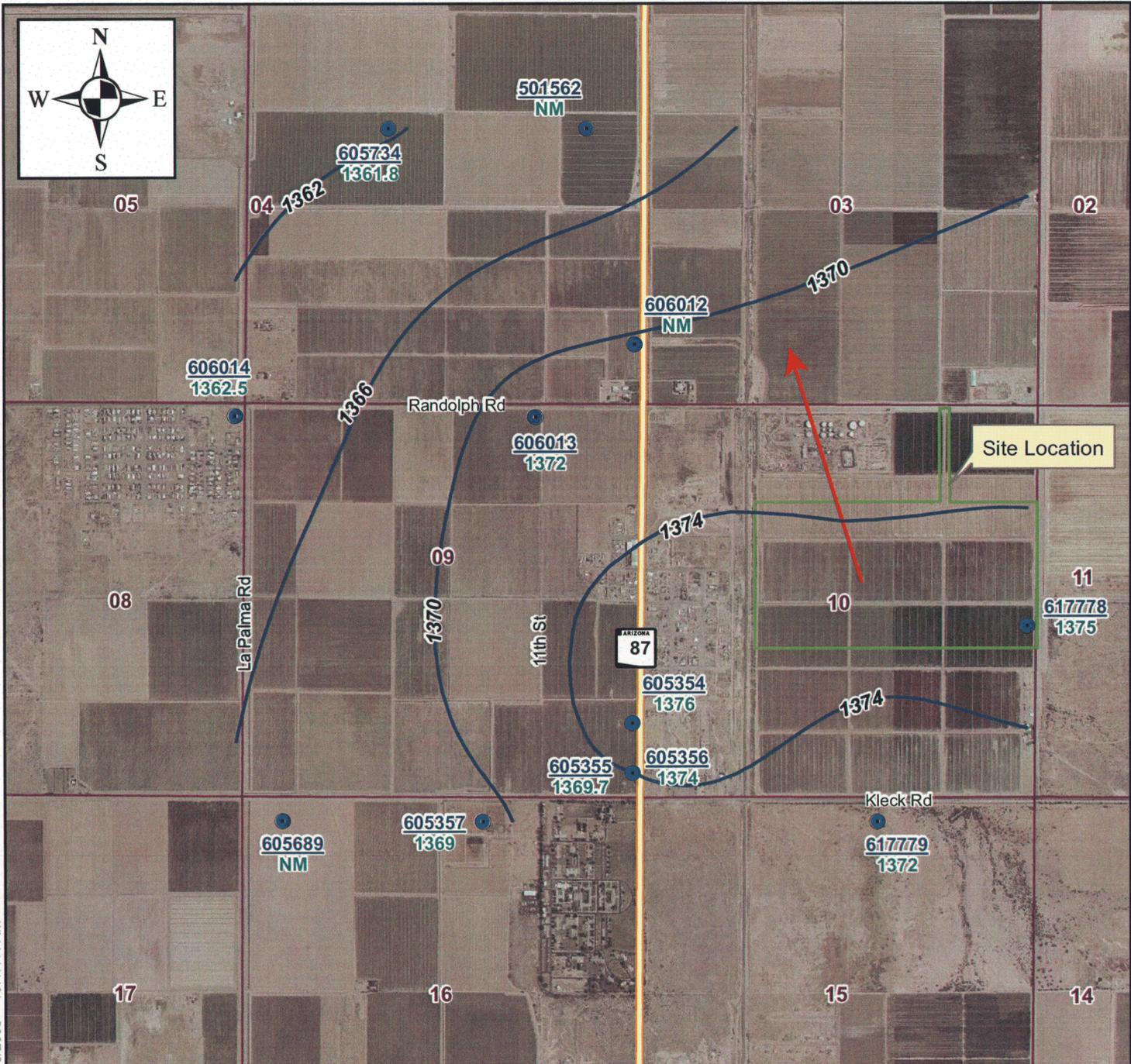
The map shown here has been created with all due and reasonable care and is strictly for use with AMEC Project Number: 08-115-05005. This map has not been certified by a licensed land surveyor, and any third party use of this map comes without warranties of any kind as AMEC assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.

**Potentiometric Surface  
November 1993**

**COOLIDGE GENERATING STATION  
Pinal County, Arizona**

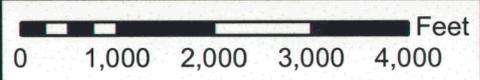
FIGURE  
**B.2-4**





**Legend**

- Site Location
  - Nov. 1998 Groundwater Elevation *contour interval = 4 feet*
  - ➔ Estimated Groundwater Flow Direction
  - Section
  - Sample Wells
- 617778 Well ID  
1367 Elevation



Map Document: (X:\Projects\08-115-05005\MXD\08\_Elev.mxd), 8/25/2008 - 10:47:41 AM

JOB NO.: 08-115-05005  
 DESIGN: LLJM  
 DRAW: AMEC GIS  
 DATE: 8/22/08  
 SCALE: 1" = 2000'

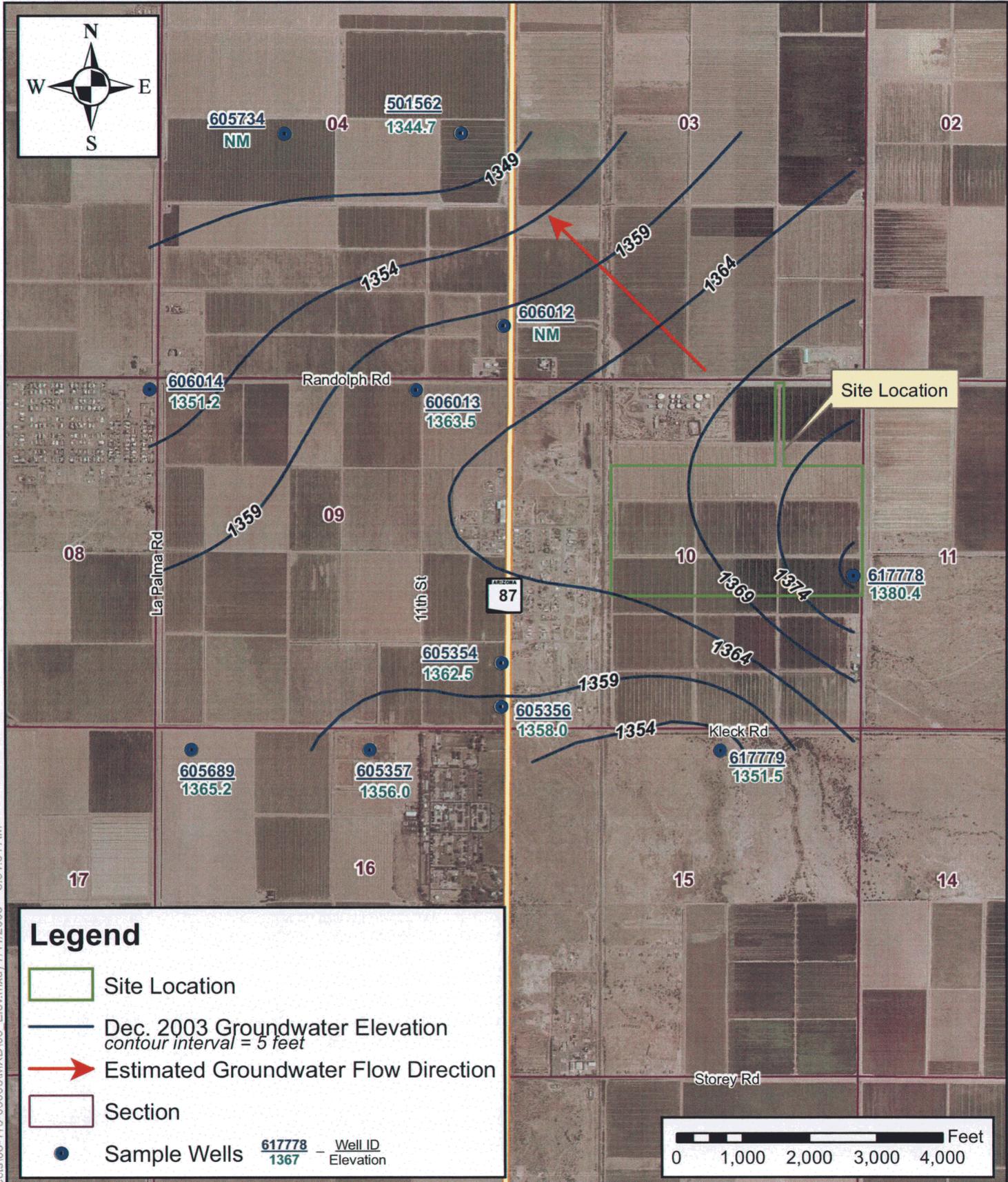
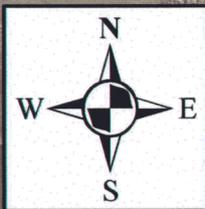
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**Potentiometric Surface  
November 1998**

**COOLIDGE GENERATING STATION  
Pinal County, Arizona**

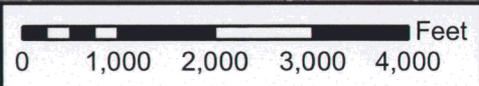
FIGURE  
**B.2-5**





### Legend

- Site Location
- Dec. 2003 Groundwater Elevation contour interval = 5 feet
- ➔ Estimated Groundwater Flow Direction
- Section
- Sample Wells 617778 - Well ID 1367 - Elevation



Map Document: (X:\Projects\08-115-05005\MMXD\03 Elev.mxd) 7/11/2008 -- 8:31:54 AM

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 DESIGN: LLJM  
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 DATE: 8/22/08  
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**Potentiometric Surface  
 December 2003**

**COOLIDGE GENERATING STATION  
 Pinal County, Arizona**

FIGURE  
**B.2-6**



**APPENDIX B.2-3**

**Drawdown Calculations**

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Coolidge Generating Station  
 Modeling Notes  
 (using WINFLOW)

Reference Elevation for Site	1435	feet MSL
Depth to Water	125	feet bgs
Reference Head Elevation	1310	feet MSL
Recharge	0	inches/year
Aquifer Top Elevation	1310	feet MSL
Aquifer Bottom Elevation	1060	feet MSL
Hydraulic Conductivity	58.4	feet/day
Specific Yield	11	percent
Pumping Rates		
PUMP 1 - 140 ac-ft/yr	43	GPM
PUMP 2 - 140 ac-ft/yr	43	GPM
Pumping Rates		
PUMP 1 - 279 ac-ft/yr	86	GPM
PUMP 2 - 279 ac-ft/yr	86	GPM
Pumping Rates		
PUMP 1 - 736 ac-ft/yr	228	GPM
PUMP 2 - 736 ac-ft/yr	228	GPM





