



## C. Nancy La Mascus, BS, RG

Professional Experience: 24 years ♦ HSI Experience: 8 years

### **Education:**

Bachelor of Science  
(Geological Sciences),  
California State  
Polytechnic  
University, 1990

### **Professional Registration:**

Geologist: State of  
Arizona, No. 42443,  
2005

Geologist: State of  
California, No. 6491,  
1996

### **Relevant Skills:**

- Permitting
- Water policy & planning
- Groundwater testing & investigations
- Surface water testing & investigations
- Water resources management system design, development, & implementation
- Well drilling
- Well construction

### **Summary**

*Senior Hydrogeologist*, Provides expertise in groundwater and surface water issues concerning Arizona and the southwest. Performs hydrogeologic investigations for environmental permits and special studies; data analysis; and project management.

### **Technical Experience**

#### **Project Manager, MWH-Orange County Water District Mid-Basin Injection Well**

Mrs. La Mascus prepared a Well Development and Aquifer Test Plan for a 2500 gpm ASR well and two nested monitoring wells. She performed a pump test analysis.

#### **Project Manager, Antelope Valley Solar Project**

Mrs. La Mascus performed a desktop assessment of potential sub-surface impacts of recharge from a water bank on a proposed solar facility.

#### **Project Manager, Torrent Resources Dry Well Investigation**

Mrs. La Mascus performed an investigation that evaluated stormwater runoff quality as it drained through a MaxWell™ Plus Drywell Drainage System, the vadose zone, and into the uppermost aquifer. Data were collected using tensiometers, lysimeters, first flush samplers, and telemetry systems.

#### **Project Manager, Town of Cave Creek Sanitary Sewer System Expansion**

Mrs. La Mascus performed a hydrogeologic investigation for a wastewater treatment plant permit application. She assisted with two AZPDES permits. She oversaw the implementation of a streamflow routing model that estimated impacts to Cave Creek and two of its tributaries, and to two groundwater basins.

#### **Project Manager, Global Water Resources Palo Verde Utilities Company Campus 1**

Mrs. La Mascus performed a hydrogeologic investigation that examined the feasibility of recharging treated water at five different sites for a permit application.

### **Other Work Experience:**

#### **Total Maximum Daily Load Supervisor, ADEQ, Phoenix, AZ (2001-2005)**

Mrs. La Mascus supervised the State of Arizona's Total Maximum Daily Load program. She reviewed TMDL investigations, sampling plans, schedules, and grant proposals; oversaw field activities; and, coordinated public notices and meetings.

#### **Water Technician, City of Farmington, NM (1999-2001)**

Mrs. La Mascus assisted in protecting the City's water rights in a basin adjudication; participated in work groups; and, served as a Steering Committee member for San Juan River Basin Recovery Implementation Program. She started an enterprise GIS.

#### **Hydrogeologist, Orange County Water District, CA (1989-1999)**

Mrs. La Mascus was a primary contributor to the development of the WRMS database. She managed data for OCWD. She contributed to numerous special studies. She participated in well drilling, testing, and abandonment/destruction activities, and performed field reconnaissance for abandoned wells.