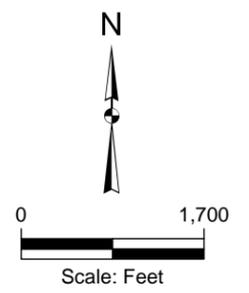


Filename: Z:\Projects\SantaCruzCo\Events\20100524\_Basemap\study\_area.mxd

**Legend**

- Groundwater Basin Boundary
- Scotts Valley City Limits
- Quarry



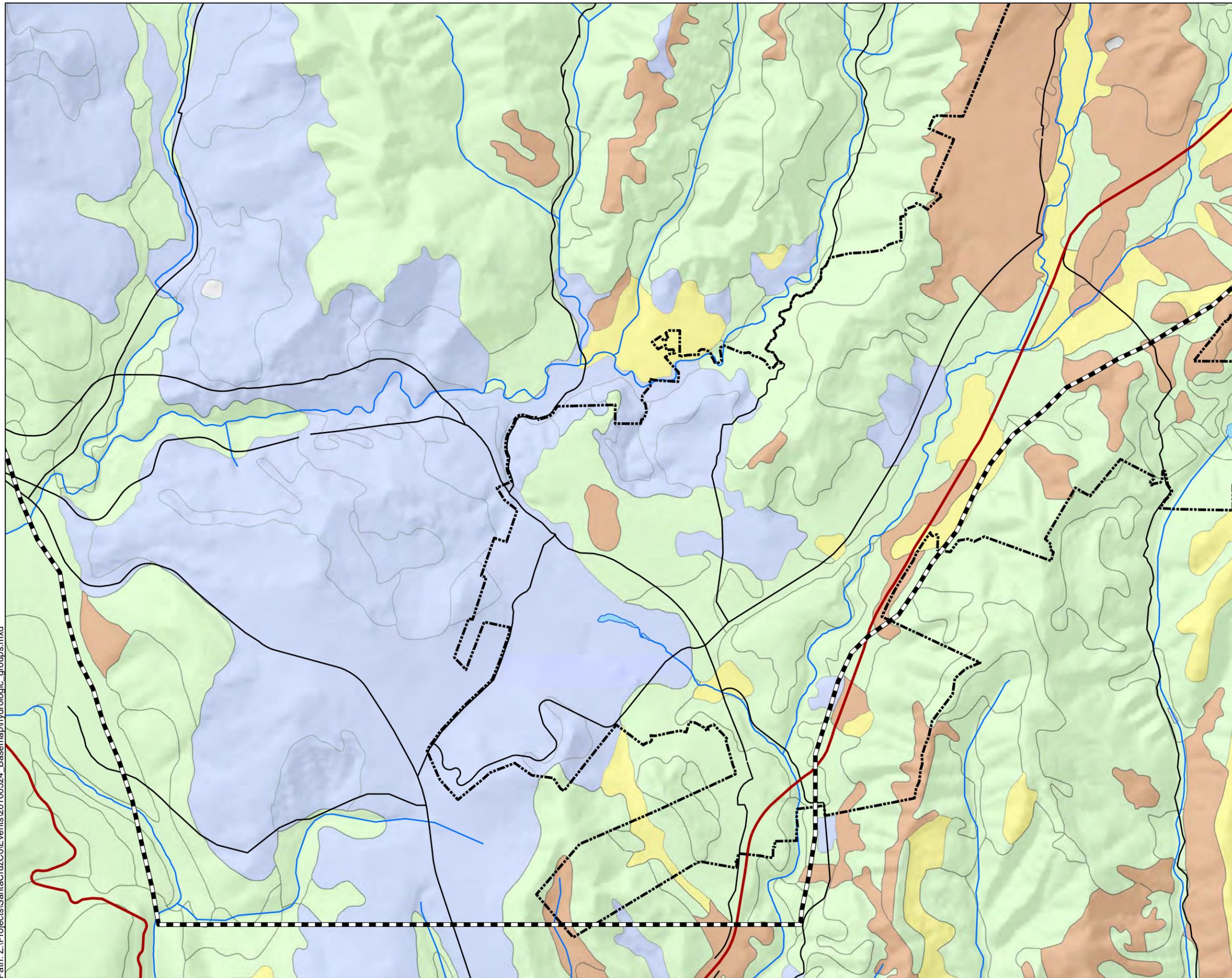
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 Santa Cruz County, California

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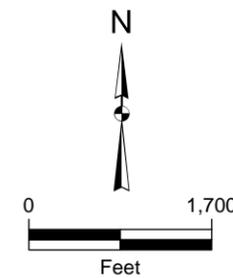
**Figure 1B-1**

Path: Z:\Projects\SantaCruz\ColEvents\20100524\_Basemaphydrologic\_groups.mxd



**Legend**

- Groundwater Basin Boundary
- Scotts Valley City Limits
- Soil Hydrologic Group A
- Soil Hydrologic Group B
- Soil Hydrologic Group C
- Soil Hydrologic Group D

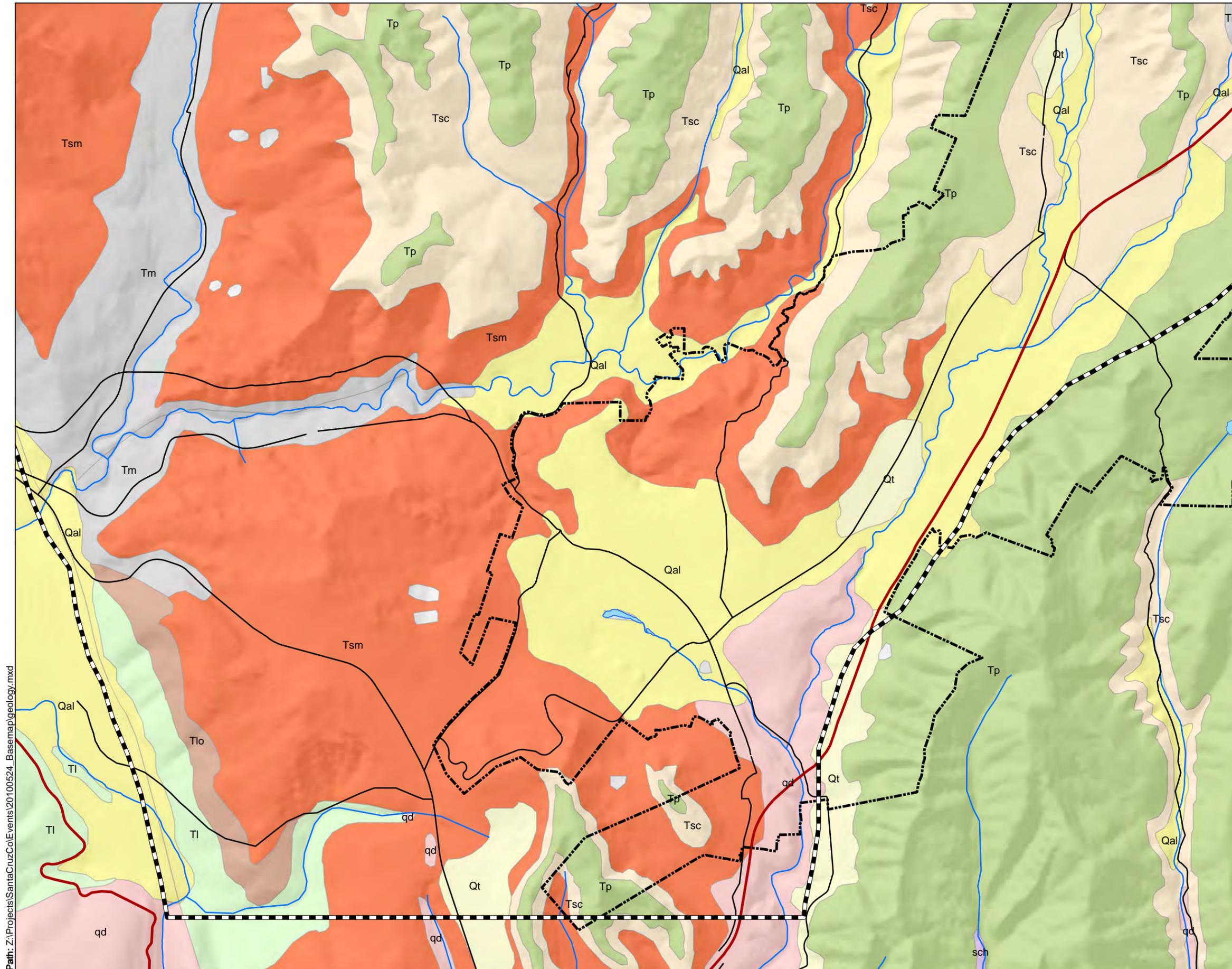


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**Distribution of Soil Hydrologic Groups**

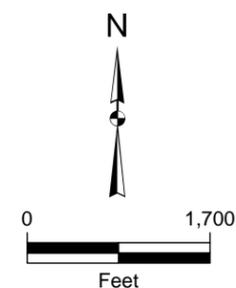
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**Figure 1B-2**



**Legend**

-  Groundwater Basin Boundary
-  Scotts Valley City Limits
-  Alluvium
-  Purisima
-  Marine Terrace
-  Santa Cruz Mudstone/Purisima
-  Santa Margarita
-  Monterey
-  Lompico
-  Zayante
-  Butano
-  Locatelli
-  Granite
-  Metasedimentary

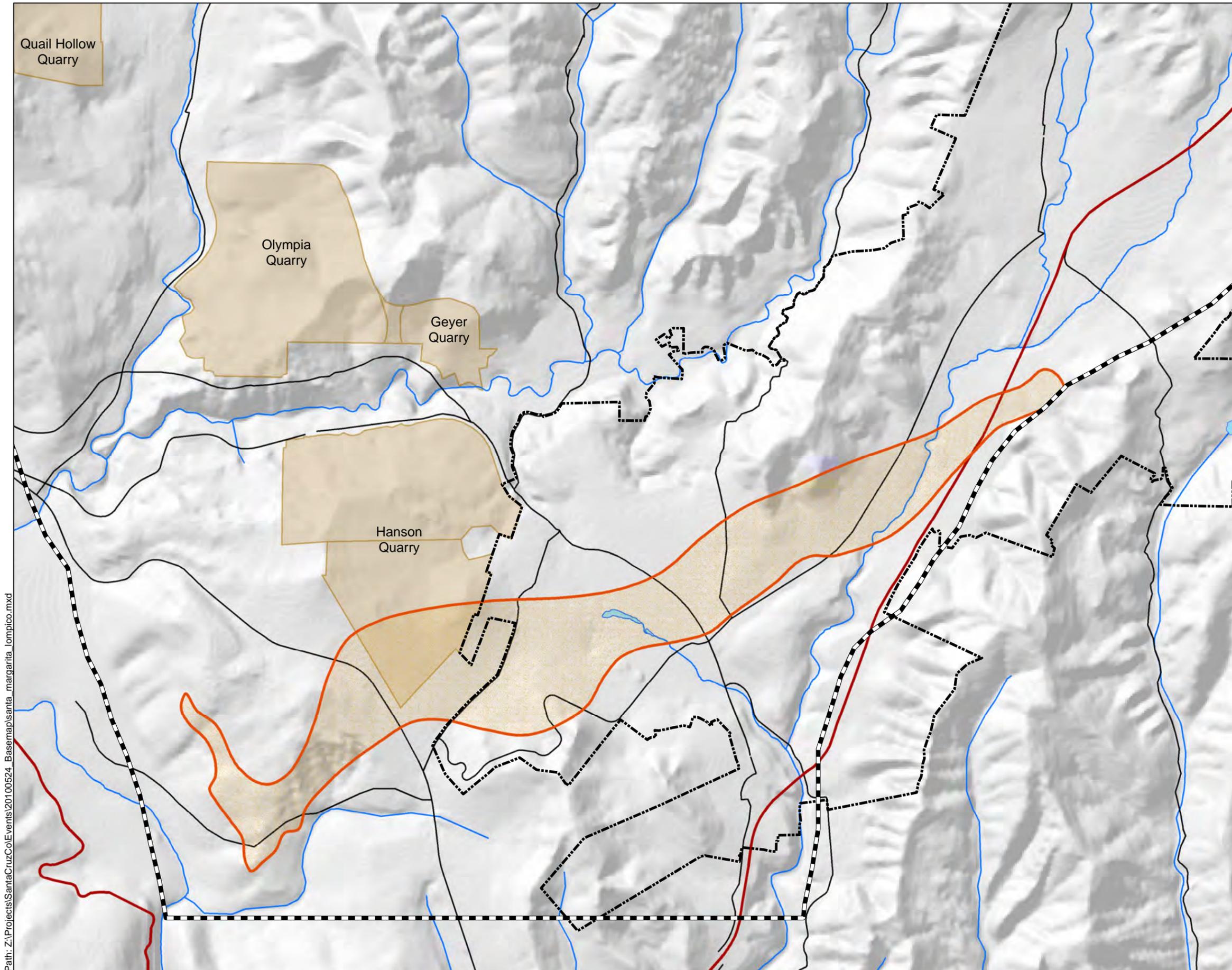


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**Geologic Map for Conjunctive Use  
 Project Study Area**

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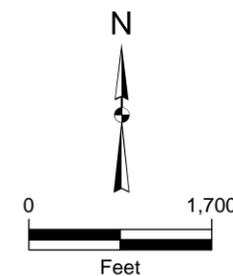
**Figure 1B-3**



Path: Z:\Projects\SantaCruz\ColEvents\20100524\_Basemap\santa\_margarita\_lompico.mxd

**Legend**

-  Groundwater Basin Boundary
-  Scotts Valley City Limits
-  Quarry
-  Location of Direct Contact Between the Santa Margarita Sandstone and the Lompico Sandstone



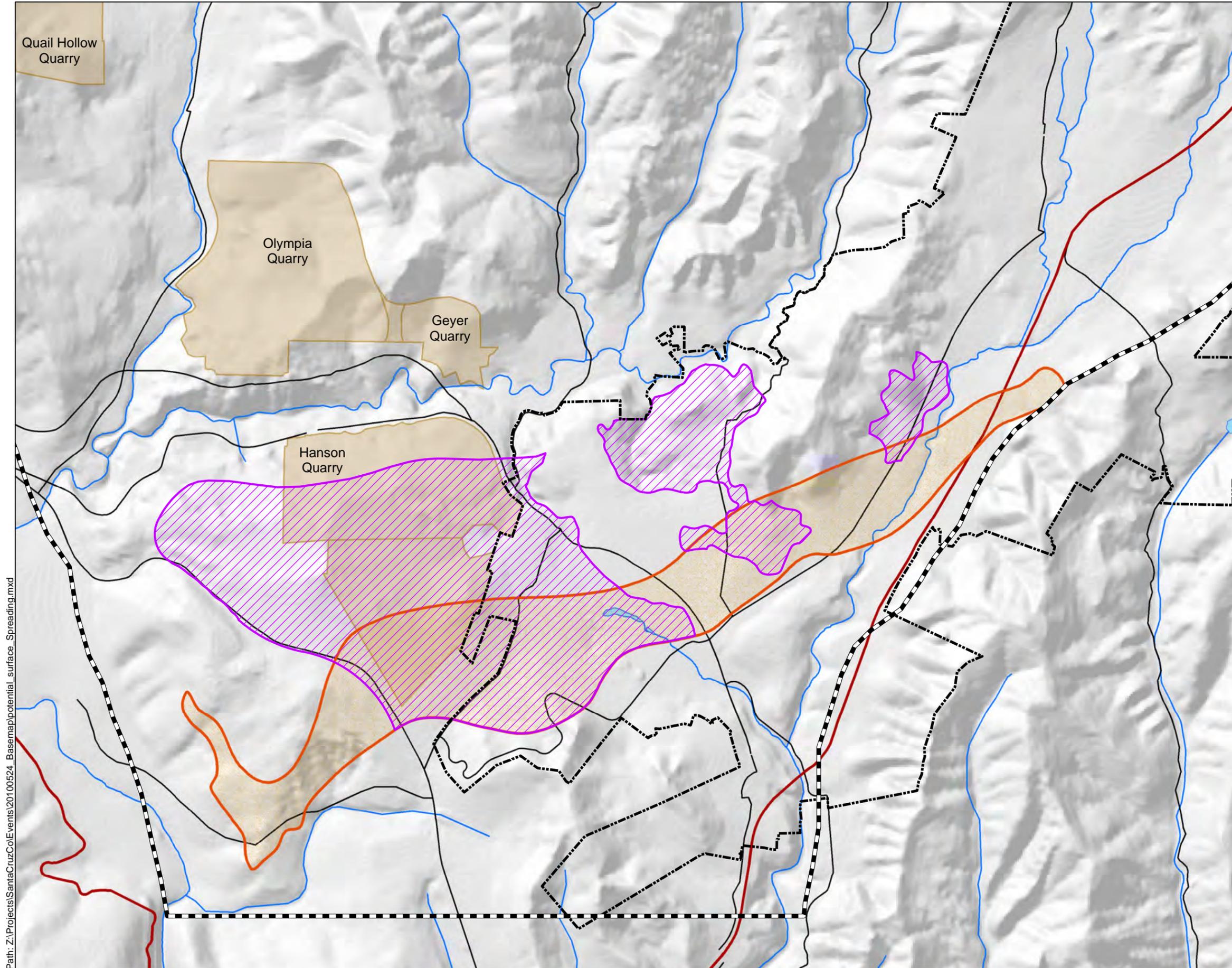
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**Location of Direct Contact of Santa Margarita and Lompico Sandstones**

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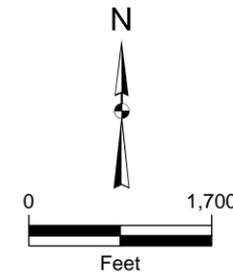
**Figure 1B-4**



Path: Z:\Projects\SantaCruz\ColEvents\20100524\_Basemap\potential\_surface\_spreading.mxd

**Legend**

-  Groundwater Basin Boundary
-  Scotts Valley City Limits
-  Quarry
-  Location of Direct Contact Between the Santa Margarita Sandstone and the Lompico Sandstone
-  Area of Potentially Suitable for Large Scale Surface Spreading



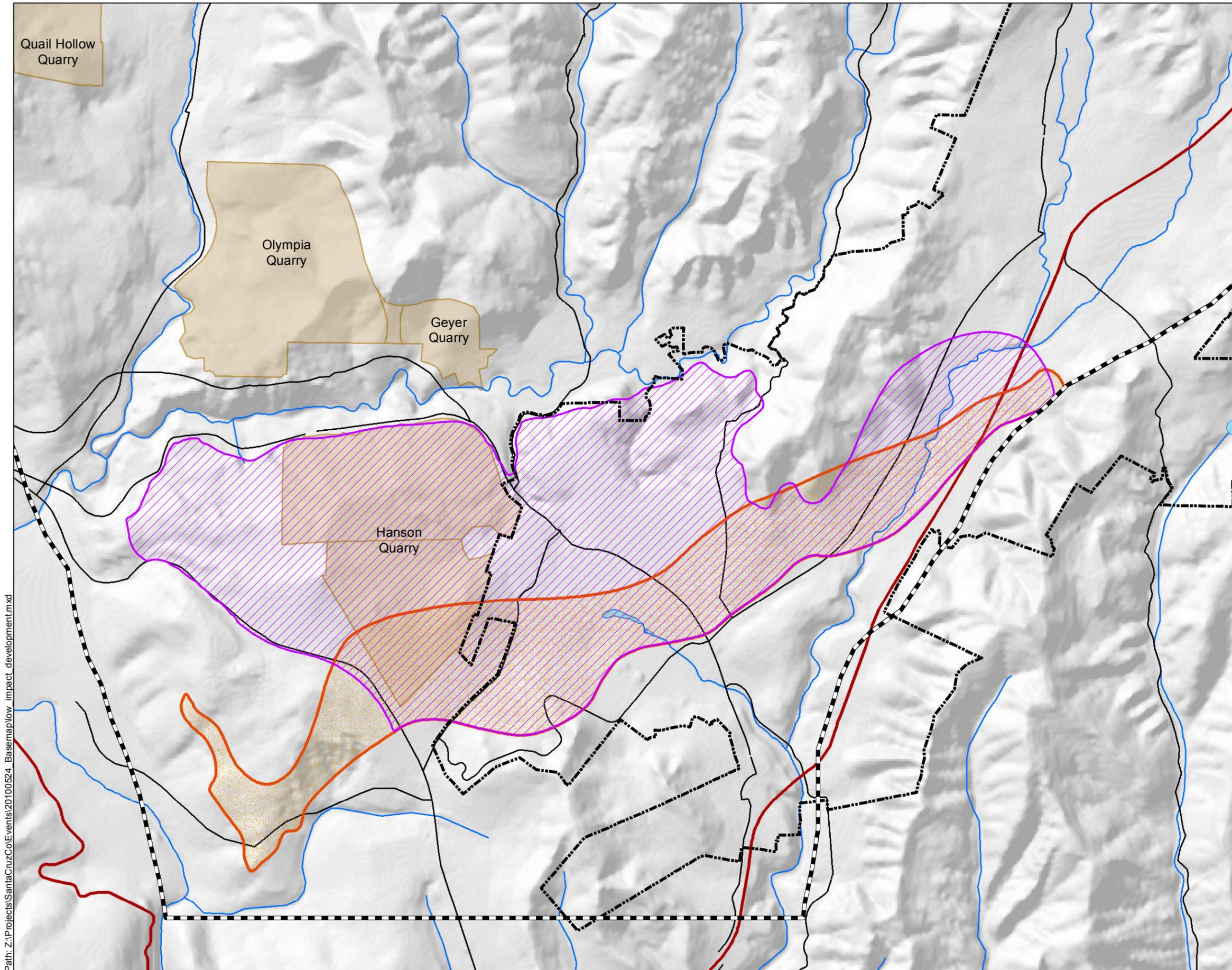
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**Area Potentially Suitable for Large Scale Surface Spreading**

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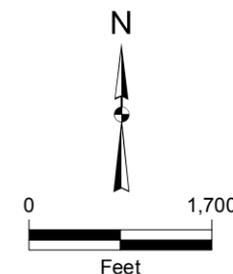
**Figure 1B-5**



Path: Z:\Projects\SantaCruz\ColEvents\20100524\_BaseMap\low\_impact\_development.mxd

**Legend**

-  Groundwater Basin Boundary
-  Scotts Valley City Limits
-  Quarry
-  Location of Direct Contact Between the Santa Margarita Sandstone and the Lompico Sandstone
-  Area of Potentially Suitable for Low Impact Development for Aquifer Recharge



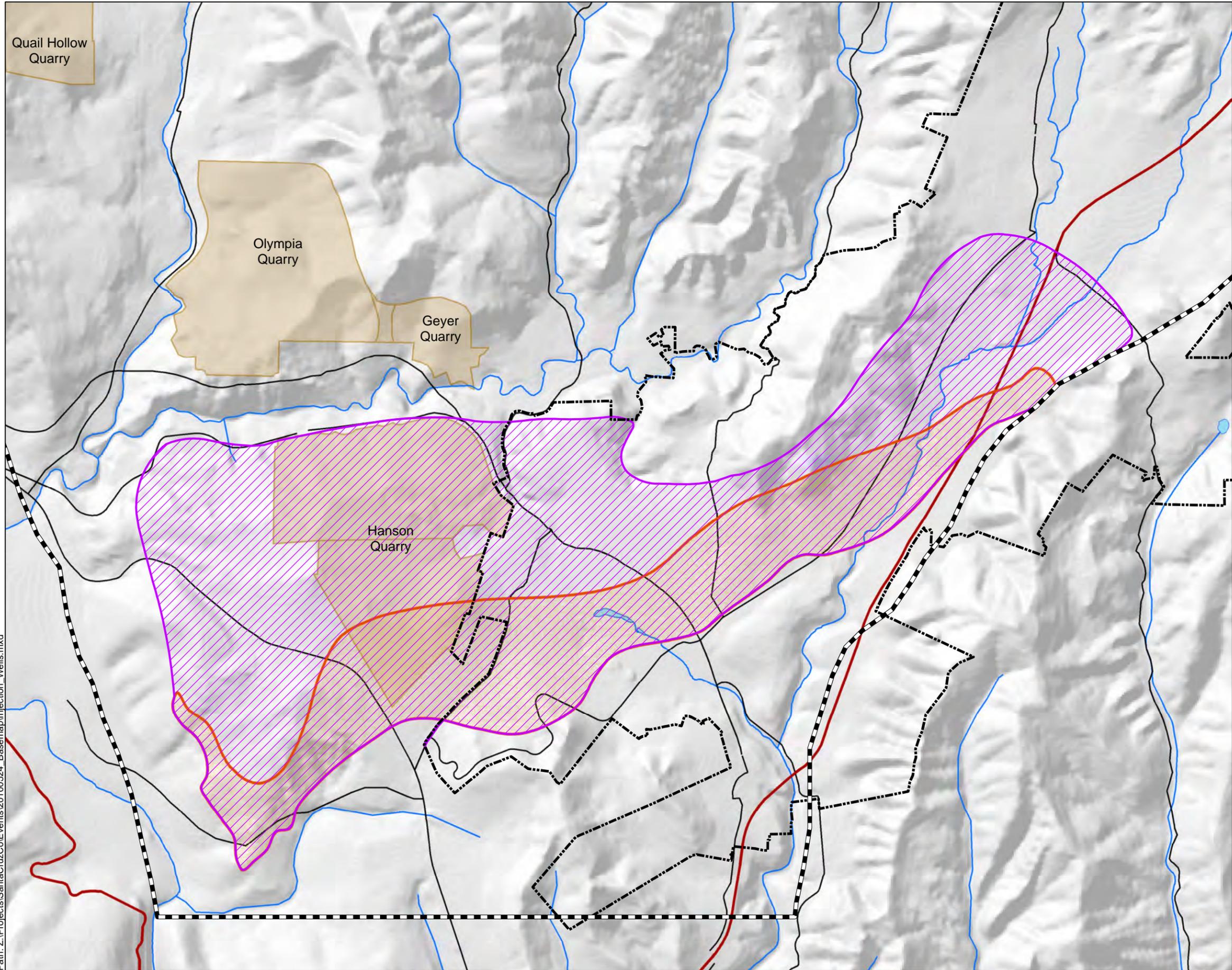
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**Area Potentially Suitable for  
 Low Impact Development**

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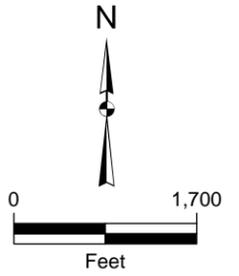
**Figure 1B-6**



Path: Z:\Projects\SantaCruz\ColEvents\20100524\_Basemap\Injection\_Wells.mxd

**Legend**

-  Groundwater Basin Boundary
-  Scotts Valley City Limits
-  Quarry
-  Location of Direct Contact Between the Santa Margarita Sandstone and the Lompico Sandstone
-  Area Potentially Suitable for Injection Wells



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**Area Potentially Suitable for Injection Wells**

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**Figure 1B-7**