Date: 1/10/2017 Time: 1:25:37 PM

Map Symbols	Description of Geological Units
Qal	Quaternary Alluvium: silt, sand and gravel deposits in modern stream channels
Qls	Landslide
Qc	Colluvium
Qt_1	Youngest Strath Terrace: alluvial terraces identified by their geomorphic and topographic expression. 1-3 m thickness of gravel alluvium on top of strath surface
Qt_2	Strath terrace: alluvial terraces identified by their geomorphic and topographic expression. 2-4 m thickness of gravel alluvium on top of strath surface
Qt_3	Strath terrace: alluvial terraces identified by their geomorphic and topographic expression. 3-5 m thickness of gravel alluvium on top of strath surface
Qt_4	Strath terrace: alluvial terraces identified by their geomorphic and topographic expression. 4-7 m thickness of gravel alluvium on top of strath surface
Qt_5	Oldest Strath Terrace: more dissected than the younger terraces 4-7 m thickness of gravel alluvium on top of strath surface
KJft	Planated bedrock (KJf) surface with no alluvial cover
QalVS	Vichy Springs: gravel, sand, silt and clay alluvial deposits in isolated valley
QalMcN	McNab Ranch: gravel, sand, silt and clay alluvial deposits in isolated valley
QalCR	Crawford Ranch: gravel, sand, silt and clay alluvial deposits in isolated valley
QalMcD	Mc Dowell Valley: gravel, sand, silt and clay alluvial deposits in isolated valley
QTub	Ukiah Basin deposits: gravel, sand, silt, and clay (Continental deposits of Cardwell (1965))
KJf	Franciscan Formation: sandstone, shale, conglomerate, siltstone, chert, schist, greenstone and serpentinite

Basin Description

The Ukiah Valley Groundwater Basin (UVGB) includes the city of Ukiah and the towns of Redwood Valley, Talmage, Calpella, Laughlin, and El Roble. According to the Department of Water Resources (DWR) Bulletin 118, the UVGB has an area of approximately 60 square miles. The UVGB boundary illustrated in Figures 1 and 2 has been modified from the DWR boundary map based on the presented Larsen and Kelsey geologic map. The boundary defines the interface between the alluvial water-bearing geologic deposits and the surrounding bedrock formations.

Legend

- UVGB Boundary
- Faults

Maacama fault zone

Calpella fault

N

0 0.5 1 2 Miles

See Figure 2 for Southern Component

DRAWN	BMW
CHECK	BAV
APPROVED	CJW
DATE	1/10/2017
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FIGURE	Figure 1

Ukiah Valley Groundwater Basin
Initial Groundwater Sustainability Plan
Hydrogeologic Conceptual Model

Mendocino County Water Agency
DWR Grant No. 4600011503

NO.	HISTORY/REVISION	BY	CHK.	DATE
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