

**Table VI-1 Summary of Aquifer Characteristics (Page 3 of 3)**

Hydrostratigraphic Unit	Representative Values									
	Transmissivity				Hydraulic Conductivity		Hydraulic Gradient		Groundwater Velocity <sup>11</sup>	
	(gpd/ft)		(ft <sup>2</sup> /d)		(feet/day)		(foot/foot)		(feet/year)	
	N of Fault	S of Fault	N of Fault	S of Fault	N of Fault	S of Fault	N of Fault	S of Fault	N of Fault	S of Fault
DE	-	550	-	74	-	1.8	0.007	0.007	-	16.8
FG Horizon	60	210	8	28	0.16	0.56	0.005	0.007	1.0	5.1
HJ Horizon	474	570	63	76	0.53	0.64	0.005	0.006	3.4	5.0
UKM	690	450	92	60	1.84	1.20	0.005	0.006	12.0	9.4

<sup>1</sup> Specific yield not determined because all aquifers except DE are confined systems.

<sup>2</sup> Transmissivity is "effective" -influenced by fault, actual transmissivity may be up to 2 X greater.

<sup>3</sup> Hydraulic conductivity is "effective" - influenced by fault, actual hydraulic conductivity may be up to 2 X greater.

<sup>4</sup> Determined from constant head permeability tests.

<sup>5</sup> Fault is minor and may not extend across entire permit area:

For this tabulation, it is assumed that Well LC27M (UKM) is north of the fault, and Wells LC31M (DE), LCM30 (DE), LC22M (HJ), LC28M (UKM), LC23M (UKM) and LC21M (LFG) are located south of the fault.

<sup>6</sup> NM -No monitor wells completed in this unit on this side of fault.

<sup>7</sup> ND - Not Determined - all pump tests in this aquifer were single well tests.

<sup>8</sup> Dash (-) indicates no data available.

<sup>9</sup> NA - Not an aquifer, no wells completed in this unit.

<sup>10</sup> NT - No overlying/underlying wells measured during pump tests in the DE and LFG.

<sup>11</sup> Groundwater velocity under static, nonpumping conditions.