**GROUNDWATER RESERVE TEMPLATE - QUANTITY**

**Table 1: Quantity Component**

| **Catchment** | **Delineated**  **Aquifer** | | **Area(km2)** | | **Recharge**  **(Mm3/a)** | | **Population** | | **Baseflow**  **(Mm3/a)** | | **MLF\_EWR**  **(Mm3/a)** | **BHN Reserve**  **(Mm3/a)** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unconfined** | **Confined** | **Unconfined** | **Confined** | **Unconfined** | **Confined** | **GW\_Pop** | **Gn\_Pop** | **Unconfined** | **Confined** | **Unconfined** | **Confined** |
| Heuningnes  (G50B) |  | Confined |  | 34714,73 |  | 17,38 |  | 33038 |  | 2,5368 | 1.383 |  | 5,5368 |

**GROUNDWATER RESERVE TEMPLATE - QUALITY COMPONENT**

**Table 2: Physico-chemical**

| **Parameter** | **Ambient Ground Water Quality1)** | **Basic Human Needs Reserve2)** | **Ground Water Quality Reserve3)** |
| --- | --- | --- | --- |
| **Calcium (mg/L)** | 88.00 | <150 | 96.80 |
| **Magnesium (mg/L)** | 62.50 | <100 | 68.75 |
| **Sodium (mg/L)** | 132.00 | <200 | 145.20 |
| **Chloride (mg/L)** | **248.00** | <200 | **248.00** |
| **Sulphate (mg/L)** | 106.00 | <400 | 116.60 |
| **Nitrate (mg/L)** | 2.78 | <10 | 3.05 |
| **Fluoride (mg/L)** | 0.60 | <1.0 | 0.66 |
| **pH** | 7.30 | 5.0 – 9.5 | 6.57 - 8.03 |
| **Electrical Conductivity**  **(mS/m)** | **171.15** | <150 | **171.15** |

**Table 3: Site-Specific Parameters**

| **Parameter** | **Ambient Ground Water Quality1)** | **Basic Human Needs Reserve2)** | **Ground Water Quality Reserve3)** |
| --- | --- | --- | --- |
| **Mn** |  |  |  |
| **Iron** |  |  |  |
| **Pathogens (Bacteria)** | **120cfu/100mL** | <0/100mL | **120cfu/100mL** |
| **Pathogens (Virus)** |  |  |  |