**Komati**

***Junction Node***

***River Basin***

***Reservoir node***

***Transfer channel***

***River channel***

**Senqu River**

Nooitgedacht Dam to power-stations

Jericho Dam to Nooitgedacht Dam

Vaal to Northern Gauteng (Crocodile)

**8 Molopo-Nossob (Botswana)**

**Molopo River**

Jericho Dam to power-stations

Vaal to Southern Gauteng

**Olifants (Upper)**

**Usutu (Upper)**

**Naute**

**Hardap**

**7 Orange-Fish (Namibia)**

**Bloemhof Dam**

**Vaal Barrage**

Heyshope Dam to

Morgenstond Dam Transfer

**Caledon River**

***Atlantic Ocean***

Douglas Weir

**Vaal Dam**

**Vaal River**

Vaal Dam & Grootdraai to Sasol & Power-stations

Heyshope Dam to Grootdraai Dam Transfer

**Grootdraai Dam**

**Sterkfontein Dam**

Driel to Sterkfontein

**Assegai
(Upper)**

**Orange River**

**6 Lower Orange WMA**

Mohale Dam

Katse to Vaal Transfer

**Senqu River**

**Gariep to Orange / Fish Tunnel**

 **5 Lower Vaal WMA**

**Fish River**

**3 Upper Orange WMA**

**Thukela**

Zaaihoek Dam to Grootdraai Dam

**2 Lesotho**

Katse Dam

**Vanderkloof Dam**

Oranjedraai

Orange to Vaal Transfer

Vanderkloof to

Riet/Modder Transfer

**Riet Modder rivers**

**Gariep Dam**

Vaal/Orange confluence

Knelpoort & Welbedacht Dams

**4 Middle Vaal WMA**

**1 Upper Vaal WMA**

**Figure 1.5 Orange-Senqu Basin Schematic**