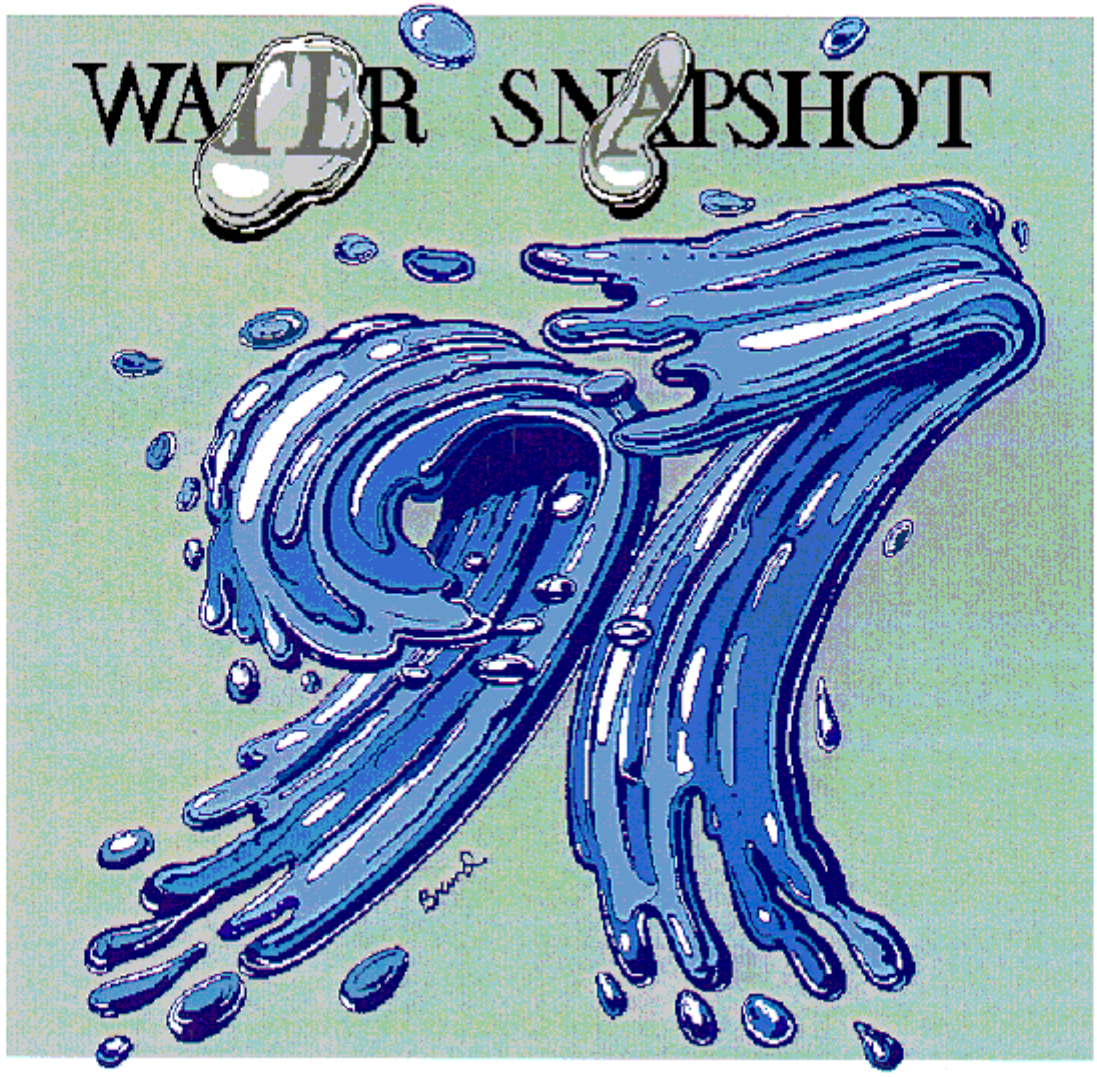WATER SNAPSHOT