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Script:
awk '

```
BEGIN {printf "\033[1;31mCounty\t\tPop/Sq Mile\t%% Water\033[0m\n"}
{
    i = 1
    if($(i+1) == "County")
    {
        name = $i
        i++
    }
    else
    {
        name = $i " " $(i+1)
        i++
        i++
    }
    i++
    popSqMile = $i / $(i+2)
    percentWater = ($(i+1) / ($(i+1) + $(i+2))) * 100
    percentLand = ($(i+2) / ($(i+1) + $(i+2))) * 100

    if (highPopDens == 0 && highPercentLand == 0 && lowPopDens == 0 &&
        lowPercentLand == 0)
    {
        highPopDens = lowPopDens = popSqMile
        highPercentLand = lowPercentLand = percentLand
        highPopDensName = highPercentLandName = lowPopDensName =
        lowPercentLandName = name
    }
    else
    {
        if(popSqMile > highPopDens)
        {
            highPopDens = popSqMile
            highPopDensName = name
        }
        if(popSqMile < lowPopDens)
        {
            lowPopDens = popSqMile
            lowPopDensName = name
        }
        if(percentLand > highPercentLand)
        {
            highPercentLand = percentLand
            highPercentLandName = name
        }
    }
}
```

```

        if(percentLand < lowPercentLand)
        {
            lowPercentLand = percentLand
            lowPercentLandName = name
        }
    }

    printf "%-10s\t%-10.2f\t%-5.2f\n",name,popSqMile,percentWater
}
END {
    printf "Highest Population Density: %s County, %.2f people/square mile
    \n",highPopDensName,highPopDens
    printf "Lowest Population Density: %s County, %.2f people/square mile
    \n",lowPopDensName,lowPopDens
    printf "Highest Percentage of Land: %s County, %.2f%% land
    \n",highPercentLandName,highPercentLand
    printf "Lowest Percentage of Land: %s County, %.2f%% land
    \n",lowPercentLandName,lowPercentLand
}
' census.txt

```

Output:

County	Pop/Sq Mile	% Water
Adams	8.53	0.25
Asotin	32.35	0.83
Benton	83.66	3.24
Chelan	22.80	2.41
Clallam	37.10	34.86
Clark	549.55	4.27
Columbia	4.68	0.54
Cowlitz	81.63	2.37
Douglas	17.91	1.52
Ferry	3.29	2.37
Franklin	39.72	1.81
Garfield	3.37	1.06
Grant	27.86	3.95
Grays Harbor	35.05	13.83
Island	343.32	59.71
Jefferson	14.31	16.91
King	817.03	7.82
Kitsap	585.82	30.04
Kittitas	14.52	1.54
Klickitat	10.23	1.67
Lewis	28.49	1.18
Lincoln	4.41	1.22
Mason	51.41	8.56
Okanogan	7.51	0.89
Pacific	22.49	23.75
Pend Oreille	8.38	1.76

Pierce	417.43	7.06
San Juan	80.48	71.84
Skagit	59.35	9.65
Skamania	5.96	1.63
Snohomish	290.09	4.89
Spokane	236.98	0.96
Stevens	16.17	2.45
Thurston	285.21	6.03
Wahkiakum	14.47	7.83
Walla Walla	43.43	2.21
Whatcom	78.70	15.34
Whitman	18.87	0.84
Yakima	51.81	0.36

Highest Population Density: King County, 817.03 people/square mile

Lowest Population Density: Ferry County, 3.29 people/square mile

Highest Percentage of Land: Adams County, 99.75% land

Lowest Percentage of Land: San Juan County, 28.16% land