## VARIABLE RATE MORTGAGE ANALYSIS

Variable Rate Mortgage Assumptions

| Amount of Loan | $\$ 1,000,000.00$ |
| ---: | ---: |
|  | 30 |
|  | 12 |


| Maximum Monthly Payment | $\$ 12,378.85$ |
| ---: | ---: |
| Minimum Monthly Payment | $\$ 4,774.15$ |
| Average Monthly Payment | $\$ 9,445.27$ |
| Average Yearly Interest Rate | $10.667 \%$ |
| Interest Savings | $\$ 302,708.34$ |

Fixed Rate Comparison

|  | Interest <br> Rear | Monthly <br> Payment | Remaining <br> Principal | Yearly <br> Interest |
| :---: | :---: | ---: | ---: | ---: |
| 1 | $4.000 \%$ | $\$ 4,774.15$ | $\$ 982,389.64$ | $\$ 39,679.47$ |
| 2 | $10.000 \%$ | $\$ 8,669.36$ | $\$ 976,323.19$ | $\$ 97,965.92$ |
| 3 | $13.000 \%$ | $\$ 10,867.78$ | $\$ 972,616.13$ | $\$ 126,706.29$ |
| 4 | $15.000 \%$ | $\$ 12,378.85$ | $\$ 969,772.04$ | $\$ 145,702.15$ |
| 5 | $13.500 \%$ | $\$ 11,253.02$ | $\$ 965,390.44$ | $\$ 130,654.68$ |
| 6 | $12.500 \%$ | $\$ 10,526.17$ | $\$ 959,415.52$ | $\$ 120,339.18$ |
| 7 | $14.125 \%$ | $\$ 11,695.23$ | $\$ 954,265.18$ | $\$ 135,192.46$ |
| 8 | $12.125 \%$ | $\$ 10,283.37$ | $\$ 946,126.93$ | $\$ 115,262.24$ |
| 9 | $10.125 \%$ | $\$ 8,957.62$ | $\$ 933,872.49$ | $\$ 95,237.02$ |
| 10 | $12.000 \%$ | $\$ 10,167.07$ | $\$ 923,367.04$ | $\$ 111,499.35$ |
| 11 | $10.000 \%$ | $\$ 8,910.69$ | $\$ 908,087.73$ | $\$ 91,648.99$ |
| 12 | $11.000 \%$ | $\$ 9,511.89$ | $\$ 893,093.68$ | $\$ 99,148.64$ |
| 13 | $10.000 \%$ | $\$ 8,929.54$ | $\$ 874,407.51$ | $\$ 88,468.32$ |
| 14 | $11.375 \%$ | $\$ 9,704.87$ | $\$ 856,498.36$ | $\$ 98,549.23$ |
| 15 | $11.500 \%$ | $\$ 9,774.06$ | $\$ 836,684.16$ | $\$ 97,474.51$ |
| 16 | $11.500 \%$ | $\$ 9,774.06$ | $\$ 814,467.31$ | $\$ 95,071.86$ |
| 17 | $11.500 \%$ | $\$ 9,774.06$ | $\$ 789,556.46$ | $\$ 92,377.86$ |
| 18 | $11.250 \%$ | $\$ 9,653.73$ | $\$ 761,099.16$ | $\$ 87,387.43$ |
| 19 | $9.750 \%$ | $\$ 8,986.15$ | $\$ 725,928.37$ | $\$ 72,663.03$ |


| 20 | $10.000 \%$ | $\$ 9,088.53$ | $\$ 687,739.96$ | $\$ 70,874.00$ |
| :--- | :---: | ---: | ---: | ---: |
| 21 | $9.000 \%$ | $\$ 8,712.00$ | $\$ 643,288.63$ | $\$ 60,092.66$ |
| 22 | $9.250 \%$ | $\$ 8,797.47$ | $\$ 595,219.14$ | $\$ 57,500.15$ |
| 23 | $8.750 \%$ | $\$ 8,643.08$ | $\$ 541,461.89$ | $\$ 49,959.72$ |
| 24 | $9.500 \%$ | $\$ 8,849.64$ | $\$ 484,256.79$ | $\$ 48,990.62$ |
| 25 | $11.500 \%$ | $\$ 9,341.87$ | $\$ 424,773.34$ | $\$ 52,619.03$ |
| 26 | $10.000 \%$ | $\$ 9,025.18$ | $\$ 355,846.17$ | $\$ 39,374.97$ |
| 27 | $12.000 \%$ | $\$ 9,370.79$ | $\$ 282,131.24$ | $\$ 38,734.61$ |
| 28 | $9.750 \%$ | $\$ 9,070.50$ | $\$ 197,057.94$ | $\$ 23,772.73$ |
| 29 | $8.500 \%$ | $\$ 8,957.40$ | $\$ 102,699.20$ | $\$ 13,130.08$ |
| 30 | $7.500 \%$ | $\$ 8,909.92$ | $(\$ 0.00)$ | $\$ 4,219.81$ |
|  |  |  |  | $\$ 2,400,297.01$ |


| Cumulative <br> Interest | Yearly <br> Principal <br> Paydown |
| ---: | ---: |
| \$39,679.47 | $\$ 17,610.36$ |
| $\$ 137,645.39$ | $\$ 6,066.44$ |
| $\$ 264,351.68$ | $\$ 3,707.06$ |
| $\$ 410,053.83$ | $\$ 2,844.09$ |
| $\$ 540,708.51$ | $\$ 4,381.61$ |
| $\$ 661,047.69$ | $\$ 5,974.92$ |
| $\$ 796,240.15$ | $\$ 5,150.33$ |
| $\$ 911,502.39$ | $\$ 8,138.26$ |
| $\$ 1,006,739.41$ | $\$ 12,254.44$ |
| $\$ 1,118,238.76$ | $\$ 10,505.44$ |
| $\$ 1,209,887.75$ | $\$ 15,279.31$ |
| $\$ 1,309,036.39$ | $\$ 14,994.05$ |
| $\$ 1,397,504.71$ | $\$ 18,686.18$ |
| $\$ 1,496,053.94$ | $\$ 17,909.15$ |
| $\$ 1,593,528.46$ | $\$ 19,814.19$ |
| $\$ 1,688,600.32$ | $\$ 22,216.85$ |
| $\$ 1,780,978.18$ | $\$ 24,910.85$ |
| $\$ 1,868,365.61$ | $\$ 28,457.30$ |
| $\$ 1,941,028.63$ | $\$ 35,170.79$ |

## FIXED RATE

| Alternative <br> Yearly <br> Interest | Remaining <br> Principal |
| :---: | :---: |
|  |  |
| $\$ 119,804.72$ | $\$ 996,371.21$ |
| $\$ 119,344.50$ | $\$ 992,282.19$ |
| $\$ 118,825.91$ | $\$ 987,674.59$ |
| $\$ 118,241.55$ | $\$ 982,482.62$ |
| $\$ 117,583.08$ | $\$ 976,632.19$ |
| $\$ 116,841.09$ | $\$ 970,039.77$ |
| $\$ 116,005.01$ | $\$ 962,611.27$ |
| $\$ 115,062.89$ | $\$ 954,240.65$ |
| $\$ 114,001.29$ | $\$ 944,808.42$ |
| $\$ 112,805.04$ | $\$ 934,179.96$ |
| $\$ 111,457.09$ | $\$ 922,203.53$ |
| $\$ 109,938.18$ | $\$ 908,708.20$ |
| $\$ 108,226.63$ | $\$ 893,501.32$ |
| $\$ 106,298.02$ | $\$ 876,365.83$ |
| $\$ 104,124.81$ | $\$ 857,057.13$ |
| $\$ 101,675.98$ | $\$ 835,299.60$ |
| $\$ 98,916.59$ | $\$ 810,782.68$ |
| $\$ 95,807.23$ | $\$ 783,156.39$ |
| $\$ 92,303.52$ | $\$ 752,026.40$ |


|  | Interest <br> Cumulative <br> Interest | Savings <br> (Expense) |
| :--- | ---: | ---: |
|  | Additional <br> \$ of Pmt Saved <br> (Paid) |  |
| $\$ 119,804.72$ | $(\$ 80,125.25)$ | $(\$ 66,143.68)$ |
| $\$ 239,149.21$ | $(\$ 21,378.58)$ | $(\$ 19,401.15)$ |
| $\$ 357,975.12$ | $\$ 7,880.38$ | $\$ 6,979.84$ |
| $\$ 476,216.67$ | $\$ 27,460.60$ | $\$ 25,112.73$ |
| $\$ 593,799.74$ | $\$ 13,071.61$ | $\$ 11,602.78$ |
| $\$ 710,640.84$ | $\$ 3,498.08$ | $\$ 2,880.58$ |
| $\$ 826,645.85$ | $\$ 19,187.45$ | $\$ 16,909.29$ |
| $\$ 941,708.74$ | $\$ 199.34$ | $(\$ 33.02)$ |
| $\$ 1,055,710.03$ | $(\$ 18,764.27)$ | $(\$ 15,942.05)$ |
| $\$ 1,168,515.07$ | $(\$ 1,305.69)$ | $(\$ 1,428.71)$ |
| $\$ 1,279,972.16$ | $(\$ 19,808.10)$ | $(\$ 16,505.21)$ |
| $\$ 1,389,910.34$ | $(\$ 10,789.54)$ | $(\$ 9,290.82)$ |
| $\$ 1,498,136.97$ | $(\$ 19,758.32)$ | $(\$ 16,279.02)$ |
| $\$ 1,604,435.00$ | $(\$ 7,748.79)$ | $(\$ 6,975.13)$ |
| $\$ 1,708,559.81$ | $(\$ 6,650.30)$ | $(\$ 6,144.80)$ |
| $\$ 1,810,235.79$ | $(\$ 6,604.13)$ | $(\$ 6,144.80)$ |
| $\$ 1,909,152.38$ | $(\$ 6,538.73)$ | $(\$ 6,144.80)$ |
| $\$ 2,004,959.60$ | $(\$ 8,419.79)$ | $(\$ 7,588.78)$ |
| $\$ 2,097,263.12$ | $(\$ 19,640.50)$ | $(\$ 15,599.70)$ |


| $\$ 2,011,902.64$ | $\$ 38,188.41$ |
| :--- | ---: |
| $\$ 2,071,995.30$ | $\$ 44,451.33$ |
| $\$ 2,129,495.45$ | $\$ 48,069.49$ |
| $\$ 2,179,455.17$ | $\$ 53,757.26$ |
| $\$ 2,228,445.79$ | $\$ 57,205.09$ |
| $\$ 2,281,064.82$ | $\$ 59,483.45$ |
| $\$ 2,320,439.79$ | $\$ 68,927.17$ |
| $\$ 2,359,174.40$ | $\$ 73,714.93$ |
| $\$ 2,382,947.12$ | $\$ 85,073.31$ |
| $\$ 2,396,077.20$ | $\$ 94,358.74$ |
| $\$ 2,400,297.01$ | $\$ 102,699.20$ |
|  |  |


| $\$ 88,355.46$ | $\$ 716,948.35$ | $\$ 2,185,618.58$ | $(\$ 17,481.46)$ | $(\$ 14,371.10)$ |
| ---: | ---: | ---: | ---: | ---: |
| $\$ 83,906.68$ | $\$ 677,421.52$ | $\$ 2,269,525.27$ | $(\$ 23,814.02)$ | $(\$ 18,889.52)$ |
| $\$ 78,893.69$ | $\$ 632,881.70$ | $\$ 2,348,418.96$ | $(\$ 21,393.54)$ | $(\$ 17,863.87)$ |
| $\$ 73,244.93$ | $\$ 582,693.12$ | $\$ 2,421,663.89$ | $(\$ 23,285.21)$ | $(\$ 19,716.54)$ |
| $\$ 66,879.76$ | $\$ 526,139.37$ | $\$ 2,488,543.65$ | $(\$ 17,889.14)$ | $(\$ 17,237.79)$ |
| $\$ 59,707.33$ | $\$ 462,413.19$ | $\$ 2,548,250.98$ | $(\$ 7,088.30)$ | $(\$ 11,331.03)$ |
| $\$ 51,625.25$ | $\$ 390,604.93$ | $\$ 2,599,876.23$ | $(\$ 12,250.29)$ | $(\$ 15,131.37)$ |
| $\$ 42,518.17$ | $\$ 309,689.59$ | $\$ 2,642,394.40$ | $(\$ 3,783.56)$ | $(\$ 10,983.98)$ |
| $\$ 32,256.08$ | $\$ 218,512.16$ | $\$ 2,674,650.48$ | $(\$ 8,483.35)$ | $(\$ 14,587.48)$ |
| $\$ 20,692.50$ | $\$ 115,771.14$ | $\$ 2,695,342.98$ | $(\$ 7,562.42)$ | $(\$ 15,944.69)$ |
| $\$ 7,662.37$ | $(\$ 0.00)$ | $\$ 2,703,005.35$ | $(\$ 3,442.56)$ | $(\$ 16,514.51)$ |
|  |  |  |  |  |


|  | Principal <br> Pay Down <br> Increase <br> Principal <br> (Deficit) | Cumlative <br> Interest <br> Say Down | Cumlative <br> Payment <br> Saved | Cumlative <br> Principal <br> Saved | Cumlative <br> After Tax <br> Savings |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\$ 3,628.79$ | $(\$ 13,981.57)$ | $(\$ 80,125.25)$ | $(\$ 66,143.68)$ | $(\$ 13,981.57)$ | $(\$ 57,690.18)$ |
| $\$ 4,089.02$ | $(\$ 1,977.43)$ | $(\$ 101,503.83)$ | $(\$ 85,544.83)$ | $(\$ 15,959.00)$ | $(\$ 73,082.76)$ |
| $\$ 4,607.60$ | $\$ 900.55$ | $(\$ 93,623.44)$ | $(\$ 78,564.99)$ | $(\$ 15,058.45)$ | $(\$ 67,408.88)$ |
| $\$ 5,191.96$ | $\$ 2,347.87$ | $(\$ 66,162.84)$ | $(\$ 53,452.26)$ | $(\$ 12,710.58)$ | $(\$ 47,637.24)$ |
| $\$ 5,850.44$ | $\$ 1,468.83$ | $(\$ 53,091.23)$ | $(\$ 41,849.48)$ | $(\$ 11,241.75)$ | $(\$ 38,225.69)$ |
| $\$ 6,592.42$ | $\$ 617.50$ | $(\$ 49,593.15)$ | $(\$ 38,968.90)$ | $(\$ 10,624.25)$ | $(\$ 35,707.07)$ |
| $\$ 7,428.50$ | $\$ 2,278.17$ | $(\$ 30,405.70)$ | $(\$ 22,059.61)$ | $(\$ 8,346.09)$ | $(\$ 21,892.10)$ |
| $\$ 8,370.62$ | $\$ 232.36$ | $(\$ 30,206.36)$ | $(\$ 22,092.63)$ | $(\$ 8,113.72)$ | $(\$ 21,748.58)$ |
| $\$ 9,432.22$ | $(\$ 2,822.22)$ | $(\$ 48,970.62)$ | $(\$ 38,034.68)$ | $(\$ 10,935.94)$ | $(\$ 35,258.85)$ |
| $\$ 10,628.47$ | $\$ 123.02$ | $(\$ 50,276.32)$ | $(\$ 39,463.40)$ | $(\$ 10,812.92)$ | $(\$ 36,198.95)$ |
| $\$ 11,976.42$ | $(\$ 3,302.89)$ | $(\$ 70,084.41)$ | $(\$ 55,968.61)$ | $(\$ 14,115.80)$ | $(\$ 50,460.78)$ |
| $\$ 13,495.33$ | $(\$ 1,498.72)$ | $(\$ 80,873.95)$ | $(\$ 65,259.43)$ | $(\$ 15,614.52)$ | $(\$ 58,229.24)$ |
| $\$ 15,206.88$ | $(\$ 3,479.30)$ | $(\$ 100,632.27)$ | $(\$ 81,538.45)$ | $(\$ 19,093.82)$ | $(\$ 72,455.23)$ |
| $\$ 17,135.49$ | $(\$ 773.66)$ | $(\$ 108,381.05)$ | $(\$ 88,513.57)$ | $(\$ 19,867.48)$ | $(\$ 78,034.36)$ |
| $\$ 19,308.70$ | $(\$ 505.49)$ | $(\$ 115,031.35)$ | $(\$ 94,658.38)$ | $(\$ 20,372.97)$ | $(\$ 82,822.57)$ |
| $\$ 21,757.53$ | $(\$ 459.32)$ | $(\$ 121,635.47)$ | $(\$ 100,803.18)$ | $(\$ 20,832.29)$ | $(\$ 87,577.54)$ |
| $\$ 24,516.93$ | $(\$ 393.92)$ | $(\$ 128,174.20)$ | $(\$ 106,947.98)$ | $(\$ 21,226.22)$ | $(\$ 92,285.42)$ |
| $\$ 27,626.29$ | $(\$ 831.02)$ | $(\$ 136,593.99)$ | $(\$ 114,536.76)$ | $(\$ 22,057.23)$ | $(\$ 98,347.68)$ |
| $\$ 31,129.99$ | $(\$ 4,040.80)$ | $(\$ 156,234.49)$ | $(\$ 130,136.46)$ | $(\$ 26,098.03)$ | $(\$ 112,488.83)$ |


| $\$ 35,078.05$ | $(\$ 3,110.36)$ | $(\$ 173,715.95)$ | $(\$ 144,507.56)$ | $(\$ 29,208.39)$ | $(\$ 125,075.48)$ |
| ---: | ---: | ---: | ---: | ---: | ---: |
| $\$ 39,526.83$ | $(\$ 4,924.50)$ | $(\$ 197,529.97)$ | $(\$ 163,397.08)$ | $(\$ 34,132.89)$ | $(\$ 142,221.58)$ |
| $\$ 44,539.82$ | $(\$ 3,529.67)$ | $(\$ 218,923.51)$ | $(\$ 181,260.95)$ | $(\$ 37,662.56)$ | $(\$ 157,624.93)$ |
| $\$ 50,188.58$ | $(\$ 3,568.67)$ | $(\$ 242,208.72)$ | $(\$ 200,977.49)$ | $(\$ 41,231.24)$ | $(\$ 174,390.28)$ |
| $\$ 56,553.75$ | $(\$ 651.34)$ | $(\$ 260,097.86)$ | $(\$ 218,215.28)$ | $(\$ 41,882.58)$ | $(\$ 187,270.46)$ |
| $\$ 63,726.18$ | $\$ 4,242.74$ | $(\$ 267,186.15)$ | $(\$ 229,546.31)$ | $(\$ 37,639.84)$ | $(\$ 192,374.03)$ |
| $\$ 71,808.26$ | $\$ 2,881.09$ | $(\$ 279,436.44)$ | $(\$ 244,677.68)$ | $(\$ 34,758.76)$ | $(\$ 201,194.24)$ |
| $\$ 80,915.34$ | $\$ 7,200.41$ | $(\$ 283,220.01)$ | $(\$ 255,661.66)$ | $(\$ 27,558.35)$ | $(\$ 203,918.40)$ |
| $\$ 91,177.43$ | $\$ 6,104.13$ | $(\$ 291,703.36)$ | $(\$ 270,249.14)$ | $(\$ 21,454.22)$ | $(\$ 210,026.42)$ |
| $\$ 102,741.01$ | $\$ 8,382.27$ | $(\$ 299,265.78)$ | $(\$ 286,193.83)$ | $(\$ 13,071.95)$ | $(\$ 215,471.36)$ |
| $\$ 115,771.14$ | $\$ 13,071.95$ | $(\$ 302,708.34)$ | $(\$ 302,708.34)$ | $\$ 0.00$ | $(\$ 217,950.00)$ |

