



Chateau Ste Michelle

ESTATE VINEYARDS



Cold Creek VINEYARD



CANOE RIDGE ESTATE



Horse Heaven VINEYARD

SINGLE VINEYARD WINES

Chardonnay, Riesling, Cabernet Sauvignon, Merlot and Syrah

Chardonnay, Cabernet Sauvignon, Merlot and Syrah

Sauvignon Blanc and Chenin Blanc

VINEYARD CHARACTERISTICS

	Cold Creek Vineyard	Canoe Ridge Estate	Horse Heaven Vineyard
LOCATION	38 miles east of Yakima; south of the Columbia River and the Wahluke Slope	10 miles west of Paterson	Paterson
AVA	Columbia Valley	Horse Heaven Hills	Horse Heaven Hills
FIRST PLANTED	1973	1991	Early 1980's
ACRES BY VARIETY	Cabernet Franc 18, Chardonnay 92, Cabernet Sauvignon 380, Grenache 11, Malbec 7, Merlot 95, Mourvedre 6, Muscat Canelli 37, Petit Verdot 6, Sauvignon Blanc 16, Syrah 17, Riesling 40, Port Varietals (<i>Tinta Cao</i> , <i>Tinta Madeira</i> , <i>Touriga Nacional</i> , <i>Suzao</i>) 4, Experimental Reds 2	Cabernet Franc 6, Cabernet Sauvignon 156, Chardonnay 126, Grenache 5, Malbec 22, Merlot 213, Mourvedre 5, Petit Verdot 8, Syrah 20, Viognier 4, Other 6	Sauvignon Blanc 210, Chenin Blanc 42, Riesling 331
TOTAL PLANTED ACRES	731	559	583
SOIL	Loamy sand and gravel "caliche" vein; low fertility	Deep sandy loam with cobblestone, low fertility	Ranges from shallow to very deep, silt loams and sand; moderate fertility
ELEVATION	950 - 1,420 feet	400 - 950 feet	600 feet
ORIENTATION	Gentle south facing slope (3% - 5%) away from the river	Steep slope (4% - 10%) facing south to the river	Two distinct east-west ridges, with gentle south facing slopes (1% - 4%)
HEAT	Warm to very warm with no cooling effect from the Columbia River	Warm site, strong wind patterns, temperature moderation from the Columbia River; added solar efficiency	Moderate heat accumulation, summer and winter temperature moderation by river
VINE VIGOR	Low; small berries, thick skins	Moderate; lack of severe winter temperatures, strong winds reduce canopy size and density	Moderate; helps delay harvest even later
GROWING SEASON	Moderate bud break, relatively early harvest	Early bud break, early harvest; steep slope contributes to early warming and ripening	Early bud break, late harvest; long hang time for clusters and uniform ripening
WINE CHARACTER	Power and concentration White: Chardonnay is deep yellow/gold; full bodied, viscous, ripe; pear, apple, hazelnut Red: Deep red black, full bodied, dense; higher tannin, concentrated; black cherry, long ageability	Elegance and restraint White: Chardonnay is silver yellow; medium body, long finish; crisp apple, floral, citrus Red: Deep garnet; medium-full bodied, medium dusty tannins; bright cherry, mocha, spice	Crisp and graceful White: Sauvignon Blanc is crisp and fresh, low grassiness; lime, melon, pear Chenin Blanc is floral and crisp; melon, sweet citrus