Chateau Ste. Michelle

**Estate Vineyards**

**Cold Creek Vineyard**
- Chardonnay, Riesling, Cabernet Sauvignon, Merlot and Syrah

**Canoeridge Estate**
- Chardonnay, Cabernet Sauvignon, Merlot and Syrah

**Horse Heaven Vineyard**
- Sauvignon Blanc and Chenin Blanc

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**SINGLE VINEYARD WINES**

1. **LOCATION**
   - 38 miles east of Yakima; south of the Columbia River and the Wahluke Slope

2. **AVA**
   - Columbia Valley

3. **FIRST PLANTED**
   - 1973

4. **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 Blance 16, Syrah 17, Riesling 40, Port Varietals (Tinta Cao, Tinta Madeira, Touriga Nacional, Suzao) 4, Experimental Reds 2

5. **TOTAL PLANTED ACRES**
   - 731

6. **SOIL**
   - Loamy sand and gravel

7. **ELEVATION**
   - 950 - 1,420 feet

8. **ORIENTATION**
   - Gentle south facing slope

9. **HEAT**
   - Warm to very warm with no cooling effect from the Columbia River

10. **VINE VIGOR**
    - Moderate

11. **GROWING SEASON**
    - Early bud break, early harvest

12. **WINE CHARACTER**
    - 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

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1. **LOCATION**
   - 10 miles west of Paterson

2. **AVA**
   - Horse Heaven Hills

3. **FIRST PLANTED**
   - 1991

4. **ACRES BY VARIETY**
   - 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

5. **TOTAL PLANTED ACRES**
   - 559

6. **SOIL**
   - Deep sandy loam with cobblestone, low fertility

7. **ELEVATION**
   - 400 - 950 feet

8. **ORIENTATION**
   - Steep slope (4% - 10%) facing south to the river

9. **HEAT**
   - Warm site, strong wind patterns, temperature moderation from the Columbia River; added solar efficiency

10. **VINE VIGOR**
    - Moderate

11. **GROWING SEASON**
    - Early bud break, late harvest; long hang time for clusters and uniform ripening

12. **WINE CHARACTER**
    - 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

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1. **LOCATION**
   - Paterson

2. **AVA**
   - Horse Heaven Hills

3. **FIRST PLANTED**
   - Early 1980's

4. **ACRES BY VARIETY**
   - Sauvignon Blanc 210, Chenin Blanc 42, Riesling 311

5. **TOTAL PLANTED ACRES**
   - 584

6. **SOIL**
   - Ranges from shallow to very deep, silt loams and sand; moderate fertility

7. **ELEVATION**
   - 600 feet

8. **ORIENTATION**
   - Two distinct east-west ridges, with gentle south facing slopes (1% - 4%)

9. **HEAT**
   - Moderate heat accumulation, summer and winter temperature moderation by river

10. **VINE VIGOR**
    - Moderate; helps delay harvest even later

11. **GROWING SEASON**
    - Early bud break, late harvest; long hang time for clusters and uniform ripening

12. **WINE CHARACTER**
    - White: Sauvignon Blanc is crisp and fresh, low grassiness; lime, melon, pear
    - Chenin Blanc is floral and crisp; melon, sweet citrus