

Supplementary Materials

Table S1: Overview of individual observation hours and behavioral time-budget distributions per horse and yard.

Yard	Horse	Hours	Eating (%)	Resting (%)	Active (%)	Highly active (%)
Yard A	YA 1	157.48	35.1	27.3	28.4	9.2
	YA 2	171.36	46.8	26.9	18.5	7.8
	YA 3	164.71	51.1	21.2	15.4	12.3
	YA 4	168.78	35.6	31.6	21.7	11.1
	YA 5	172.71	51.9	28.2	12.0	7.9
Mean (SD)		167.01 (6.14)	44.1 (8.2)	27.0 (3.7)	19.2 (6.3)	9.7 (2.0)
Yard B	YB 1	151.55	36.5	32.7	22.4	8.3
	YB 2	165.75	58.4	22.8	13.3	5.6
	YB 3	160.47	57.5	21.7	14.9	5.9
	YB 4	164.50	55.7	16.3	21.4	6.6
	YB 5	139.65	54.5	24.9	10.2	10.5
	YB 6	164.04	50.2	22.8	20.0	7.0
	YB 7	176.78	46.8	35.5	14.5	3.2
	YB 8	157.25	49.1	15.3	23.4	12.2
	YB 9	159.94	39.8	19.7	31.3	9.3
	YB 10	162.86	52.8	32.1	9.2	5.9
	YB 11	116.19	56.1	15.2	22.1	6.5
	YB 12	161.47	43.3	21.4	28.1	7.2
Mean (SD)		156.7 (15.5)	50.1 (7.2)	23.4 (6.9)	19.2 (6.9)	7.3 (2.4)
Yard C	YC 1	140.92	34.3	33.5	20.4	11.8
	YC 2	145.69	41.7	20.9	26.2	11.2
	YC 3	145.21	48.9	24.5	16.2	10.4
	YC 4	142.26	57.8	23.5	11.6	7.1
Mean (SD)		143.52 (2.3)	45.7 (10.1)	25.6 (5.5)	18.6 (6.2)	10.1 (2.1)
Yard D	YD 1	106.23	64.1	19.7	6.2	10.0
	YD 2	105.63	58.2	25.0	8.7	8.1
	YD 3	123.04	55.1	20.6	20.4	3.9
	YD 4	129.09	60.9	20.2	6.9	12.1
	YD 5	102.92	44.7	14.2	31.2	9.9
Mean (SD)		113.38 (11.84)	56.6 (7.4)	19.9 (3.8)	14.7 (10.9)	8.8 (3.1)
Overall		3856.50 h				

Table S2: Mean Manly Selection Ratios (MSR) per landscape feature and behavior across yards.

Landscape feature	Eating mean (SD)	Resting mean (SD)	Active mean (SD)	Highly active mean (SD)
Yard A				
Edible plants	0.78 (0.97)	1.96 (2.12)	2.04 (1.90)	1.41 (1.60)
Forage station bottom	18.24 (13.41)	9.61 (10.02)	15.51 (11.17)	15.63 (9.61)
Forage station middle	18.81 (14.51)	6.20 (5.49)	11.04 (11.41)	14.81 (14.12)
Forage station top	6.13 (9.15)	0.62 (1.25)	2.20 (3.81)	3.25 (5.85)
Grassland surrounded by trees	0.51 (0.67)	0.16 (0.28)	0.26 (0.33)	0.20 (0.36)
Hedge row west	0.17 (0.14)	0.08 (0.15)	0.16 (0.12)	0.21 (0.17)
Hillock	1.40 (1.40)	0.29 (0.25)	0.94 (0.60)	1.20 (0.93)
Open landscape north	1.59 (0.83)	2.45 (0.79)	2.07 (0.71)	1.92 (0.85)
Open landscape south	1.09 (0.95)	0.58 (0.68)	0.64 (0.67)	0.77 (0.74)
Passage	0.29 (0.33)	0.15 (0.30)	0.41 (0.41)	0.46 (0.45)
Sand pit	1.99 (2.35)	11.08 (11.88)	7.89 (8.49)	5.07 (6.87)
Shelter left	3.09 (2.58)	12.16 (9.99)	8.16 (4.66)	4.24 (4.06)
Water left	2.22 (3.58)	0.30 (0.76)	1.30 (2.07)	0.70 (1.13)
Yard B				
Grassland surrounded by trees	0.78 (0.42)	0.74 (0.56)	0.63 (0.40)	0.66 (0.39)
Open landscape	1.50 (0.39)	1.32 (0.51)	1.40 (0.37)	1.41 (0.39)
Sandy entry passage	0.30 (0.32)	1.52 (2.33)	1.65 (1.98)	1.28 (1.60)
Tree-covered passage	0.21 (0.25)	1.42 (2.88)	1.52 (1.20)	1.40 (1.34)
Trees with undergrowth north	0.17 (0.16)	0.42 (0.60)	0.41 (0.38)	0.40 (0.43)
Trees with undergrowth south	0.18 (0.22)	0.31 (0.75)	0.30 (0.45)	0.42 (0.94)
Water center	0.36 (0.99)	4.85 (10.76)	4.17 (7.50)	3.21 (9.46)
Water side	1.29 (2.80)	0.71 (3.04)	2.15 (5.77)	1.66 (5.32)
Yard C				
Forage station	3.47 (2.46)	0.44 (1.14)	1.91 (2.73)	1.89 (2.42)
Open landscape	1.03 (0.04)	0.99 (0.14)	1.04 (0.03)	1.03 (0.05)
Sandy entry passage	0.67 (0.39)	0.50 (1.28)	0.39 (0.34)	0.60 (0.53)
Sheltered sand pit	0.78 (0.71)	9.09 (8.83)	4.19 (2.59)	2.93 (3.31)
Water	0.97 (1.80)	0.62 (1.65)	1.34 (1.97)	0.97 (1.94)
Yard D				
Forage station	5.15 (3.58)	3.32 (6.46)	1.94 (4.07)	3.10 (3.75)
Individual tree bottom left	0.77 (0.94)	9.28 (8.18)	3.01 (3.27)	2.72 (3.84)
Individual tree bottom right	0.93 (1.35)	2.84 (4.12)	2.39 (3.32)	2.20 (3.78)
Individual tree top left	0.28 (1.13)	1.35 (3.83)	0.54 (1.52)	0.28 (1.02)
Individual tree top right	0.57 (1.34)	2.53 (5.52)	0.54 (2.35)	1.45 (6.49)
Open landscape	0.99 (0.02)	0.93 (0.05)	0.98 (0.03)	0.98 (0.03)
Water	0.89 (0.78)	1.15 (2.43)	0.65 (1.09)	0.52 (1.22)

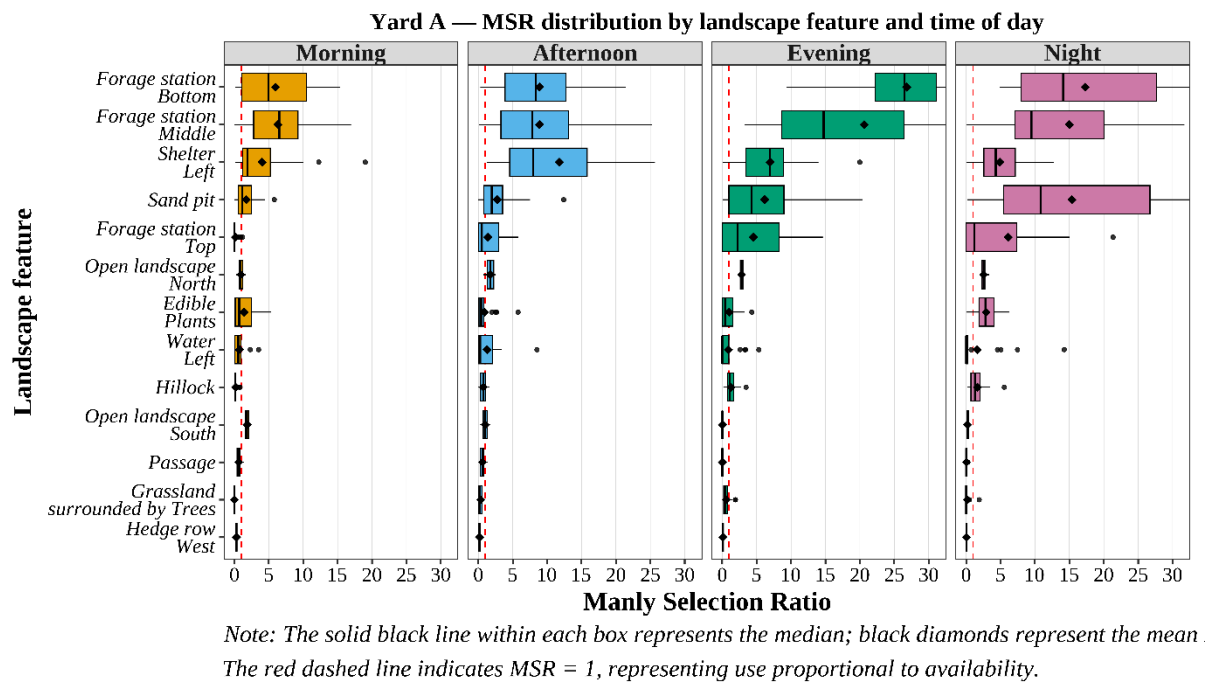


Figure S1: Mean Manly Selection Ratios (MSR) across different landscape features and time periods for Yard A, with values > 1 indicating preference, values = 1 indicating neutral use, and values < 1 indicating avoidance. Boxes show the interquartile range; diamond = mean; dashed line = MSR = 1.

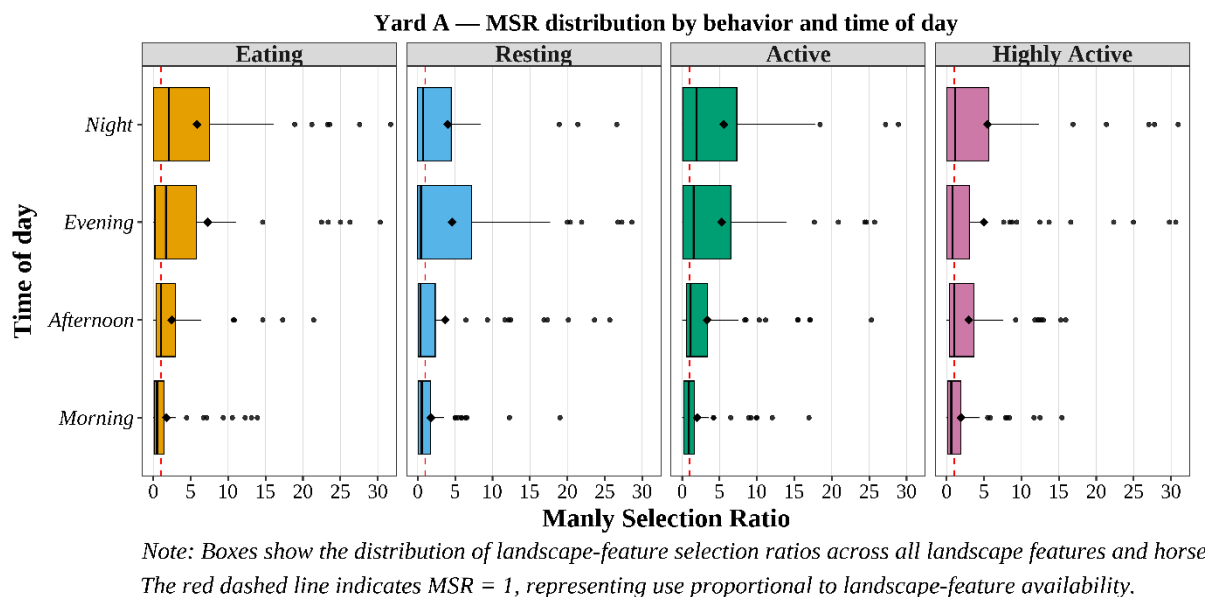


Figure S2: Distribution of Manly Selection Ratios (MSR) across all landscape features by behavior and time period for Yard A. Boxes show the distribution of landscape feature selection ratios across horses and landscape features; diamond = mean; dashed line = MSR = 1, indicating use proportional to landscape feature availability.

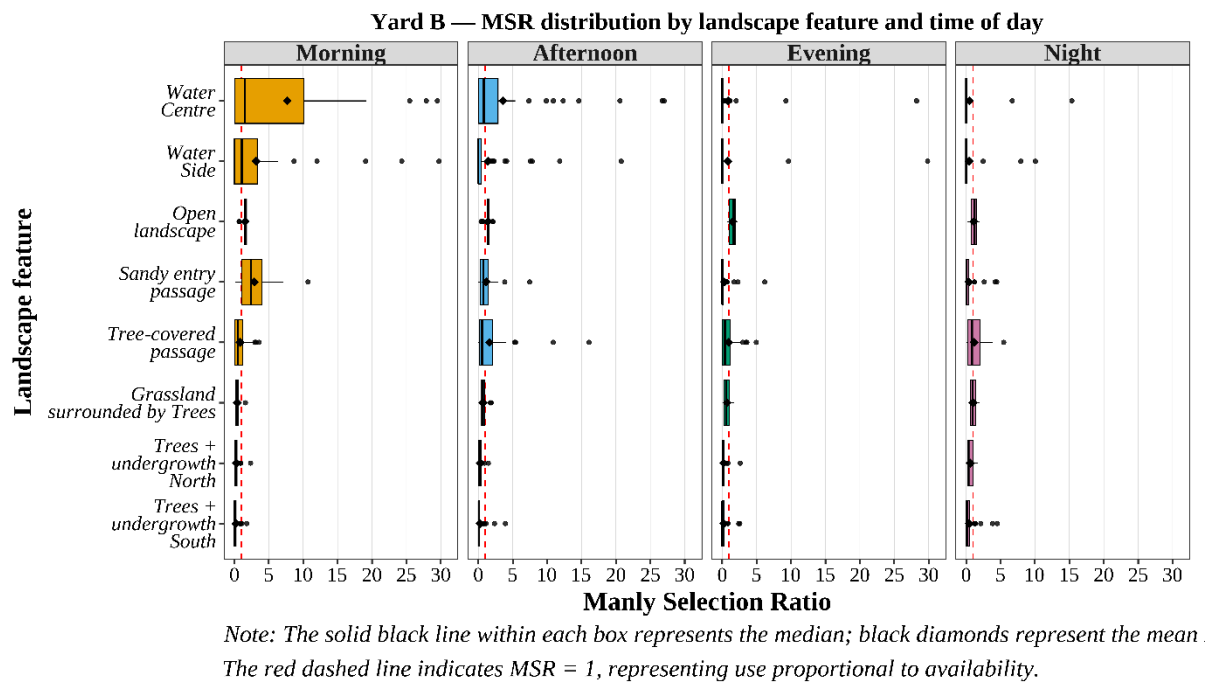


Figure S3: Mean Manly Selection Ratios (MSR) across different landscape features and time periods for Yard B, with values > 1 indicating preference, values = 1 indicating neutral use, and values < 1 indicating avoidance. Boxes show the interquartile range; diamond = mean; dashed line = MSR = 1.

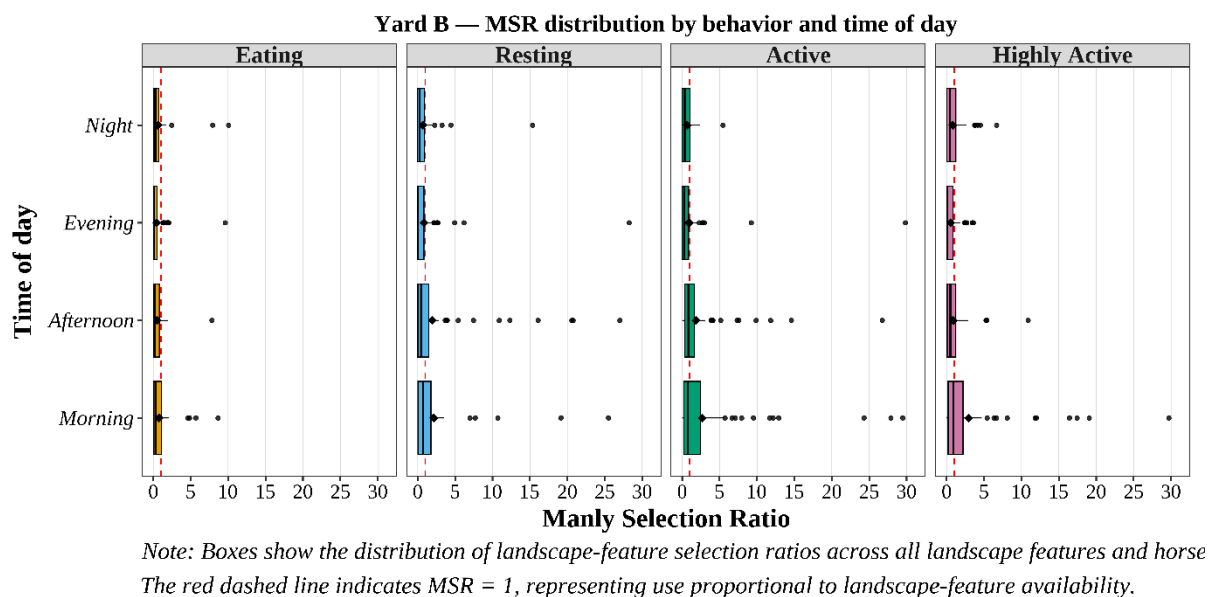


Figure S4: Distribution of Manly Selection Ratios (MSR) across all landscape features by behavior and time period for Yard B. Boxes show the distribution of landscape feature selection ratios across horses and landscape features; diamond = mean; dashed line = MSR = 1, indicating use proportional to landscape feature availability.

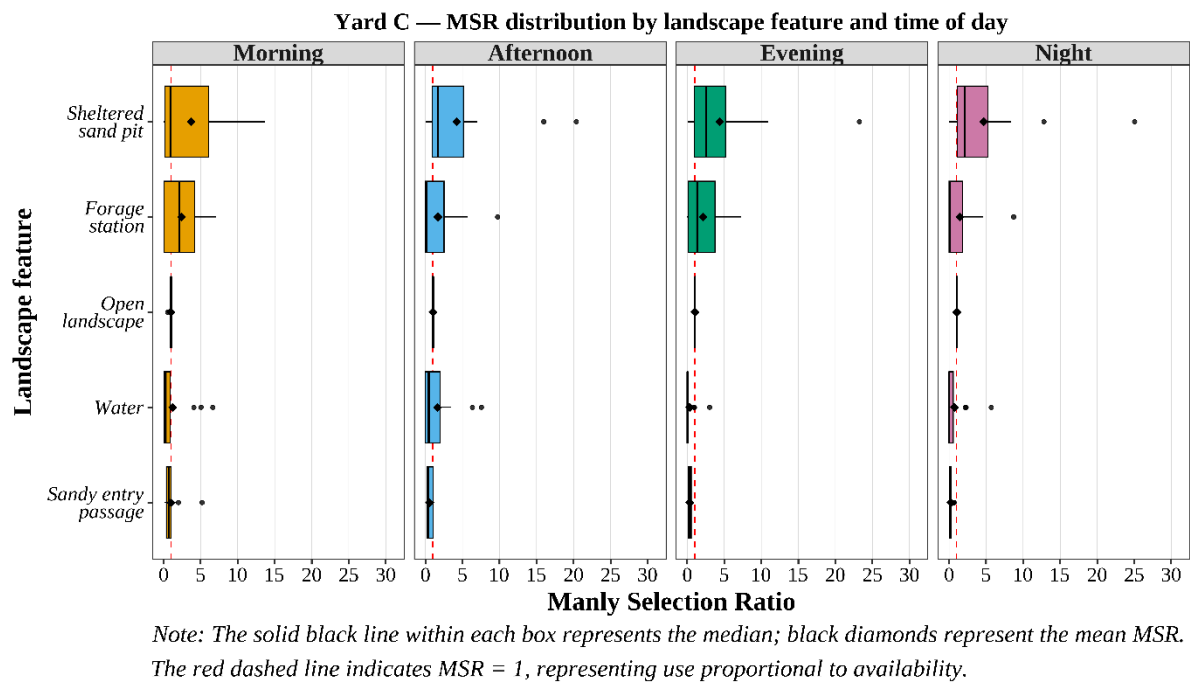


Figure S5: Mean Manly Selection Ratios (MSR) across different landscape features and time periods for Yard C, with values > 1 indicating preference, values = 1 indicating neutral use, and values < 1 indicating avoidance. Boxes show the interquartile range; diamond = mean; dashed line = MSR = 1.

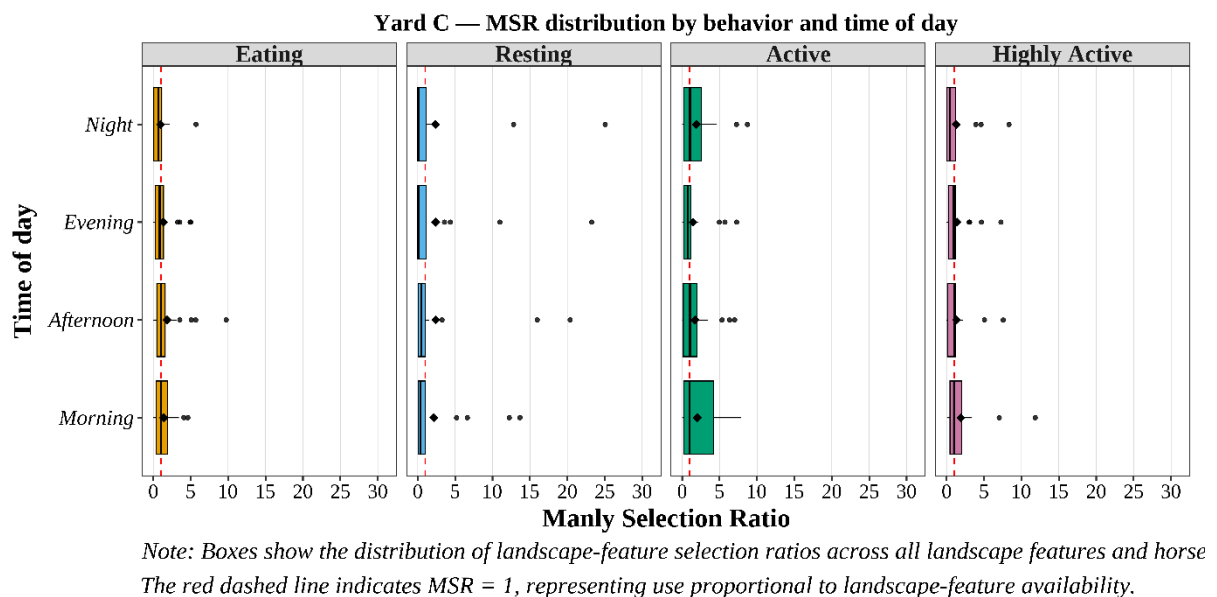


Figure S6: Distribution of Manly Selection Ratios (MSR) across all landscape features by behavior and time period for Yard C. Boxes show the distribution of landscape feature selection ratios across horses and landscape features; diamond = mean; dashed line = MSR = 1, indicating use proportional to landscape feature availability.

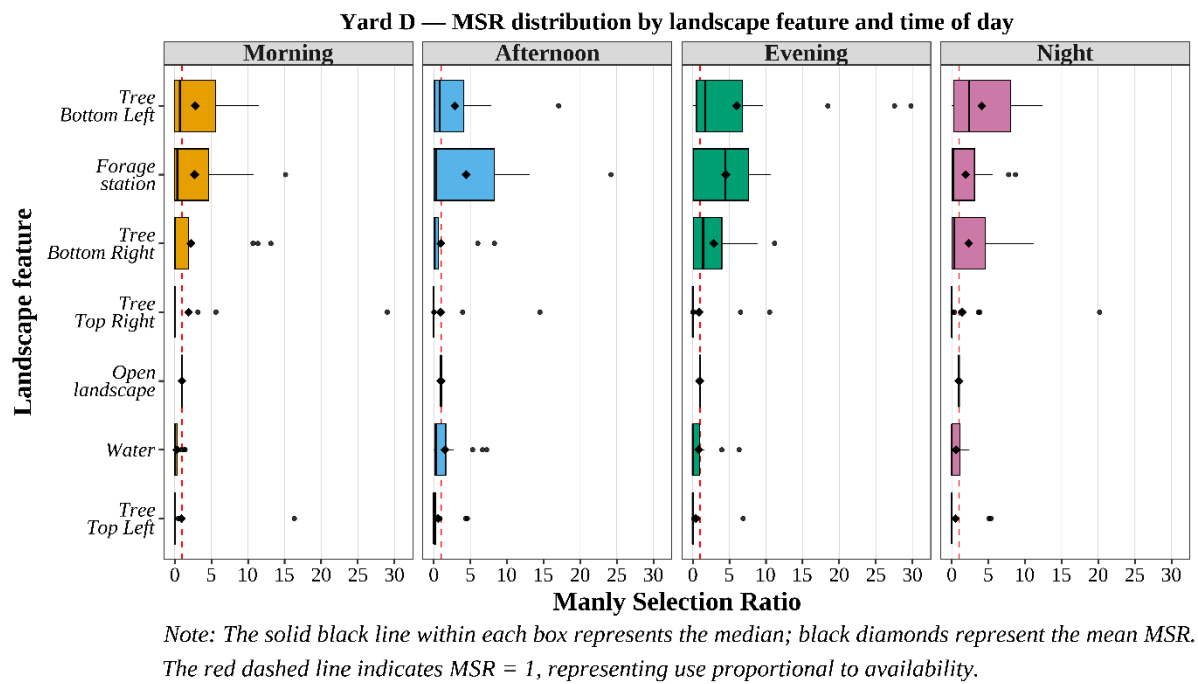


Figure S7: Mean Manly Selection Ratios (MSR) across different landscape features and time periods for Yard D, with values > 1 indicating preference, values = 1 indicating neutral use, and values < 1 indicating avoidance. Boxes show the interquartile range; diamond = mean; dashed line = MSR = 1.

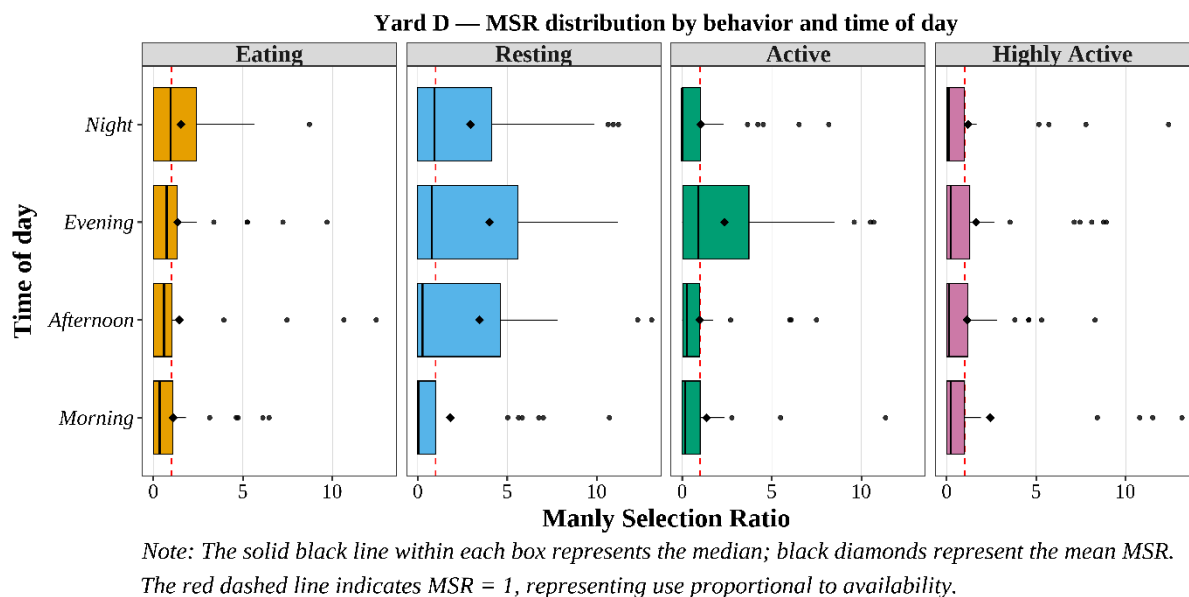


Figure S8: Distribution of Manly Selection Ratios (MSR) across all landscape features by behavior and time period for Yard D. Boxes show the distribution of landscape feature selection ratios across horses and landscape features; diamond = mean; dashed line = MSR = 1, indicating use proportional to landscape feature availability.