# Supplement 15.2. Data used for the extended ecological example in Chapter 15

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This supplement provides the data used for the extended ecological example in Chapter 15.

Data Used in Analyses (.csv format): ppt94-98 = annual precipitation; covtot94-98 = herb cover; sr94-98 = species richness;

fireint1 = fire severity; abio = abiotic conditions.

site,age,ppt94,ppt95,ppt96,ppt97,ppt98,covtot94,covtot95,covtot96,covtot97,covtot98,sr94,sr95,sr96,sr97,sr98,fireint1,abio

1,40,84,171,74.00,89.00,231.00,103.88,75.26,46.66,62.13,79.53,51.00,42.00,37.00,36.00,39.00,3.50,51.67

2,25,75,195,85.00,84.00,285.00,47.76,92.16,125.94,103.78,103.90,31.00,43.00,35.00,29.00,36.00,4.05,48.95

3,15,84,171,74.00,89.00,231.00,94.89,67.15,35.88,94.08,146.54,71.00,57.00,40.00,28.00,66.00,2.60,49.90

4,15,84,171,74.00,89.00,231.00,119.49,103.09,55.60,134.27,226.96,64.00,65.00,51.00,49.00,68.00,2.90,54.25

5,23,84,171,74.00,89.00,231.00,129.82,148.81,115.43,180.40,137.96,68.00,47.00,44.00,36.00,14.00,4.30,49.84

6,24,84,171,74.00,89.00,231.00,117.35,113.94,100.56,111.54,137.96,34.00,35.00,20.00,13.00,13.00,4.00,43.96

7,35,84,171,74.00,89.00,231.00,86.16,108.65,74.02,126.63,136.74,39.00,52.00,39.00,27.00,43.00,4.80,50.11

8,14,84,171,74.00,89.00,231.00,41.91,130.66,130.62,146.86,129.53,66.00,68.00,46.00,39.00,52.00,4.80,48.15

9,45,75,195,85.00,84.00,285.00,12.85,101.10,86.83,81.23,131.30,25.00,55.00,64.00,53.00,46.00,7.25,43.93

10,35,75,195,85.00,84.00,285.00,30.63,78.98,127.45,91.53,161.01,31.00,46.00,43.00,38.00,49.00,6.20,42.06

11,45,75,195,85.00,84.00,285.00,68.25,142.03,147.50,156.48,123.79,28.00,33.00,34.00,33.00,43.00,8.05,45.80

12,35,75,195,85.00,84.00,285.00,53.10,71.27,128.09,135.48,156.50,46.00,44.00,38.00,34.00,44.00,7.55,48.10

13,35,75,195,85.00,84.00,285.00,29.58,159.60,160.06,122.97,166.39,36.00,50.00,45.00,46.00,55.00,7.25,48.36

14,30,75,195,85.00,84.00,285.00,98.47,93.51,147.79,145.15,138.83,38.00,26.00,33.00,29.00,42.00,7.30,48.34

15,15,84,171,74.00,89.00,231.00,69.87,181.73,91.78,54.86,127.77,40.00,46.00,47.00,32.00,42.00,3.80,49.30

16,40,84,171,74.00,89.00,231.00,116.66,57.61,70.38,66.45,128.72,52.00,46.00,40.00,36.00,41.00,5.70,42.69

17,21,84,171,74.00,89.00,231.00,84.07,54.31,63.47,74.95,64.48,73.00,85.00,69.00,54.00,79.00,4.30,59.72

18,39,75,195,85.00,84.00,285.00,111.95,84.41,157.65,178.28,154.43,49.00,50.00,53.00,51.00,62.00,4.20,47.88

19,39,75,195,85.00,84.00,285.00,41.20,98.20,119.86,173.85,143.32,46.00,53.00,53.00,43.00,50.00,4.25,47.73

20,29,84,171,74.00,89.00,231.00,84.59,113.70,93.16,47.55,199.30,36.00,51.00,28.00,24.00,56.00,5.10,54.02

21,12,84,171,74.00,89.00,231.00,117.59,89.09,112.94,69.43,146.84,38.00,33.00,27.00,33.00,45.00,1.95,54.75

22,19,75,195,85.00,84.00,285.00,66.10,65.67,187.82,162.72,130.07,37.00,44.00,52.00,34.00,35.00,4.40,50.39

23,20,75,195,85.00,84.00,285.00,65.18,110.49,148.55,231.97,176.34,36.00,46.00,48.00,24.00,38.00,4.45,43.11

24,21,75,195,85.00,84.00,285.00,41.17,44.87,115.29,127.64,109.00,40.00,56.00,67.00,31.00,52.00,3.00,53.33

25,3,75,195,85.00,84.00,285.00,53.28,123.95,101.37,192.20,139.64,36.00,39.00,35.00,27.00,40.00,1.20,46.76

26,17,75,195,85.00,84.00,285.00,49.74,116.55,100.02,123.50,126.25,31.00,47.00,53.00,25.00,48.00,6.40,48.49

27,40,75,195,85.00,84.00,285.00,20.20,112.50,128.76,95.36,162.90,25.00,41.00,39.00,31.00,31.00,8.20,46.21

28,40,75,195,85.00,84.00,285.00,5.56,88.51,108.08,125.87,170.69,15.00,56.00,52.00,41.00,50.00,6.85,47.20

29,57,75,195,85.00,84.00,285.00,12.12,111.38,152.80,109.69,172.20,24.00,63.00,46.00,41.00,53.00,6.15,42.96

30,52,75,195,85.00,84.00,285.00,8.30,80.37,85.86,134.11,151.50,29.00,49.00,47.00,36.00,42.00,7.70,43.54

31,35,84,171,74.00,89.00,231.00,54.92,181.48,108.25,176.03,136.42,61.00,55.00,46.00,45.00,49.00,6.10,49.93

32,40,84,171,74.00,89.00,231.00,54.65,227.85,139.73,205.22,197.34,50.00,58.00,50.00,45.00,51.00,4.30,47.06

33,5,75,195,85.00,84.00,285.00,127.31,140.55,119.08,196.76,215.65,58.00,48.00,40.00,29.00,34.00,3.75,47.44

34,5,75,195,85.00,84.00,285.00,84.81,125.47,201.24,201.39,238.04,44.00,55.00,30.00,30.00,31.00,3.70,45.53

35,28,84,171,74.00,89.00,231.00,37.94,92.64,129.18,174.88,116.77,50.00,69.00,60.00,48.00,52.00,5.70,43.73

36,33,84,171,74.00,89.00,231.00,35.84,68.32,33.90,144.38,129.92,22.00,37.00,28.00,24.00,30.00,5.40,50.31

37,31,75,195,85.00,84.00,285.00,63.67,76.38,43.12,110.22,105.55,45.00,45.00,30.00,18.00,36.00,4.85,51.96

39,55,75,195,85.00,84.00,285.00,50.72,109.76,48.64,99.46,106.82,38.00,48.00,25.00,18.00,37.00,4.30,51.73

40,22,75,195,85.00,84.00,285.00,63.75,63.84,115.12,159.76,152.80,27.00,25.00,36.00,21.00,40.00,3.25,44.31

41,21,75,195,85.00,84.00,285.00,106.47,106.62,102.32,178.28,208.85,52.00,63.00,53.00,55.00,61.00,2.50,44.54

42,13,84,171,74.00,89.00,231.00,76.76,113.52,174.94,65.76,203.05,37.00,62.00,54.00,33.00,44.00,3.85,46.45

43,13,84,171,74.00,89.00,231.00,132.07,130.83,190.73,65.71,197.47,61.00,62.00,50.00,40.00,40.00,2.55,41.28

44,25,84,171,74.00,89.00,231.00,107.90,154.21,131.37,190.74,176.54,85.00,65.00,60.00,45.00,50.00,3.30,42.36

45,15,84,171,74.00,89.00,231.00,93.77,146.35,119.22,114.79,139.28,51.00,70.00,53.00,38.00,55.00,4.00,48.04

46,12,84,171,74.00,89.00,231.00,69.92,144.55,131.51,44.24,189.18,55.00,58.00,59.00,41.00,51.00,3.40,48.42

47,28,84,171,74.00,89.00,231.00,30.58,113.99,150.00,189.41,136.44,50.00,73.00,60.00,57.00,57.00,3.90,48.29

48,16,84,171,74.00,89.00,231.00,55.44,147.45,118.07,156.80,224.03,71.00,71.00,62.00,58.00,71.00,4.00,45.48

49,25,75,195,85.00,84.00,285.00,83.65,72.19,52.71,119.92,113.05,25.00,30.00,43.00,27.00,39.00,7.50,48.06

51,38,84,171,74.00,89.00,231.00,74.70,124.43,62.88,270.17,260.73,36.00,53.00,24.00,26.00,42.00,4.70,50.59

52,10,84,171,74.00,89.00,231.00,51.90,80.69,82.80,108.62,99.99,81.00,70.00,64.00,58.00,61.00,1.70,65.63

53,26,84,171,74.00,89.00,231.00,112.00,163.13,53.06,111.18,197.06,63.00,58.00,44.00,42.00,53.00,3.00,69.75

54,23,84,171,74.00,89.00,231.00,56.92,212.79,94.71,131.22,108.53,64.00,73.00,54.00,53.00,48.00,6.00,49.04

55,16,84,171,74.00,89.00,231.00,79.58,270.59,69.16,62.61,97.63,68.00,83.00,60.00,48.00,45.00,6.70,47.58

56,19,84,171,74.00,89.00,231.00,91.67,141.57,74.34,105.22,144.50,64.00,57.00,47.00,36.00,46.00,2.00,57.68

57,15,84,171,74.00,89.00,231.00,57.71,198.22,109.23,58.12,145.85,52.00,54.00,50.00,37.00,50.00,6.05,50.82

58,27,84,171,74.00,89.00,231.00,67.71,179.58,135.20,150.33,187.64,68.00,56.00,47.00,45.00,33.00,3.90,48.66

59,30,84,171,74.00,89.00,231.00,61.41,72.19,89.86,89.34,90.27,57.00,54.00,45.00,39.00,36.00,2.90,51.93

60,30,84,171,74.00,89.00,231.00,62.83,95.93,84.08,117.90,86.33,62.00,61.00,44.00,37.00,35.00,3.70,51.63

61,3,84,171,74.00,89.00,231.00,110.75,150.77,95.17,156.38,175.88,50.00,37.00,47.00,31.00,43.00,1.20,47.99

62,6,84,171,74.00,89.00,231.00,84.05,116.22,91.00,161.18,170.40,40.00,33.00,47.00,29.00,36.00,1.30,42.41

63,25,84,171,74.00,89.00,231.00,90.86,136.75,82.85,131.60,89.18,74.00,72.00,56.00,53.00,52.00,3.60,56.09

64,28,84,171,74.00,89.00,231.00,73.84,105.30,76.68,45.71,122.41,59.00,61.00,46.00,36.00,63.00,4.40,58.41

65,27,84,171,74.00,89.00,231.00,27.63,104.82,97.03,69.95,83.85,66.00,62.00,32.00,23.00,45.00,3.70,56.18

66,19,84,171,74.00,89.00,231.00,77.77,67.22,75.96,95.09,150.33,63.00,64.00,39.00,47.00,53.00,4.85,55.88

67,25,84,171,74.00,89.00,231.00,59.34,94.90,54.69,154.89,184.35,67.00,52.00,36.00,39.00,42.00,4.85,49.96

68,11,84,171,74.00,89.00,231.00,58.82,99.55,59.93,95.14,126.86,68.00,60.00,40.00,44.00,56.00,5.60,53.87

69,11,84,171,74.00,89.00,231.00,51.85,77.47,58.83,76.07,157.78,61.00,58.00,44.00,48.00,54.00,4.10,51.93

70,15,84,171,74.00,89.00,231.00,34.81,144.21,174.88,111.76,128.70,36.00,44.00,51.00,33.00,53.00,5.70,52.81

71,36,75,195,85.00,84.00,285.00,109.76,155.60,107.09,161.30,195.83,65.00,48.00,43.00,18.00,40.00,4.20,46.82

72,24,75,195,85.00,84.00,285.00,54.50,41.52,86.49,173.36,155.90,34.00,39.00,34.00,27.00,43.00,4.80,42.97

73,24,75,195,85.00,84.00,285.00,67.61,114.58,107.43,146.01,159.28,30.00,35.00,40.00,24.00,41.00,7.20,44.54

74,26,75,195,85.00,84.00,285.00,28.86,148.28,253.46,198.72,170.23,52.00,52.00,43.00,27.00,43.00,9.20,40.77

75,26,75,195,85.00,84.00,285.00,68.02,79.69,74.16,149.64,125.80,42.00,42.00,37.00,26.00,39.00,6.20,57.00

76,6,75,195,85.00,84.00,285.00,112.02,154.81,225.41,115.56,182.59,49.00,48.00,34.00,23.00,49.00,2.10,38.54

77,31,75,195,85.00,84.00,285.00,44.70,106.33,247.48,173.60,167.06,65.00,54.00,44.00,28.00,54.00,3.85,44.62

78,20,75,195,85.00,84.00,285.00,48.45,50.56,202.27,111.89,128.96,33.00,42.00,51.00,31.00,40.00,3.90,52.03

79,15,84,171,74.00,89.00,231.00,153.54,192.77,103.10,167.90,137.89,48.00,61.00,52.00,54.00,62.00,4.85,48.61

80,15,84,171,74.00,89.00,231.00,92.86,133.50,118.06,161.91,151.63,58.00,75.00,53.00,66.00,66.00,5.30,52.15

81,15,84,171,74.00,89.00,231.00,46.92,151.05,124.54,168.03,158.89,67.00,84.00,50.00,58.00,78.00,4.60,52.37

82,16,84,171,74.00,89.00,231.00,45.11,119.10,140.93,113.76,109.59,62.00,66.00,55.00,37.00,63.00,3.30,51.77

83,20,84,171,74.00,89.00,231.00,51.76,96.06,123.43,103.96,87.03,58.00,33.00,25.00,10.00,43.00,5.40,49.11

84,33,84,171,74.00,89.00,231.00,55.73,80.53,121.74,117.28,96.65,51.00,65.00,71.00,50.00,73.00,4.30,50.11

85,13,84,171,74.00,89.00,231.00,51.44,52.07,72.73,114.39,113.14,44.00,43.00,40.00,29.00,36.00,3.60,45.14

86,20,84,171,74.00,89.00,231.00,116.59,152.71,94.42,134.95,140.44,42.00,34.00,30.00,27.00,33.00,3.00,45.03

87,48,75,195,85.00,84.00,285.00,108.35,73.38,118.21,180.82,161.97,55.00,49.00,47.00,37.00,49.00,3.80,42.16

88,35,75,195,85.00,84.00,285.00,56.74,52.33,117.12,135.32,127.80,55.00,49.00,47.00,37.00,49.00,4.50,43.68

89,60,84,171,74.00,89.00,231.00,58.09,92.33,154.03,137.01,110.14,47.00,39.00,32.00,27.00,28.00,3.90,46.94

90,36,84,171,74.00,89.00,231.00,37.86,71.88,69.14,113.18,91.80,44.00,35.00,25.00,25.00,40.00,4.60,46.01