Residential Equivalency Calculations

Portland - Hotel Shore Areas: PD-14 and PD-16

Based on information from aerial views and expected use, it was assumed that the maximum number of persons using the area at one time would be approximately 24. Assuming that the area is used an average of 10 hour per day, 7 days per week, 5 months per year, the usage factor is

Typical maximum use during any one hour is approximately 24 people,

24 persons * 0.17 (usage factor) = 4 (rounded)

4/3 (average persons per household) = 1-1/3 residences rounded up to = $\underline{2}$ residences

Fort Vancouver:

Based on information from aerial views, meetings with the US Forest Service and expected use the following factors for Fort Vancouver were projected. Calculations were made assuming that the areas are used an average of 10 hour per day, 7 days per week, 5 months per year, the usage factor is

FV-2: Typical maximum use during any one hour is approximately 75 people,

75 persons * 0.17 (usage factor) = 13 (rounded)

13/3 (average persons per household) = 4 residences

FV-3: Typical *maximum* use during any one hour is approximately 300 people,

300 persons * 0.17 (usage factor) = 51 (rounded)

51/3 (average persons per household) = 17 residences

FV-4: Typical maximum use during any one hour is approximately 15 people,

15 persons * 0.17 (usage factor) = 3 (rounded)

3/3 (average persons per household) = 1 residences

FV-13: Typical maximum use during any one hour is approximately 18 people,

18 persons * 0.17 (usage factor) = 3 (rounded)

3/3 (average persons per household) = 1 residences

Vancouver:

VW-36: Typical *maximum* use during any one hour is approximately 25 people,

25 persons * 0.22 (usage factor) = 5.5 (rounded)

6/3 (average persons per household) = 2 residences

VW-36F: Typical maximum use during any one hour is approximately 300 people,

300 persons * 0.22 (usage factor) = 66 (rounded)

66/3 (average persons per household) = 22 residences

VE-1: Typical *maximum* use during any one hour is approximately 75 people,

75 persons * 0.17 (usage factor) = 16.5 (rounded)

17/3 (average persons per household) = 6 residences

VE-3: Typical *maximum* use during any one hour is approximately 26 people,

26 persons * 0.17 (usage factor) = 5 (rounded)

5/3 (average persons per household) = 2 residences

VE-13: Typical *maximum* use during any one hour is approximately 75 people,

75 persons * 0.11 (usage factor) = 8.25 (rounded)

9/3 (average persons per household) = 3 residences

VE-3: Typical *maximum* use during any one hour is approximately 35 people,

35 persons * 0.17 (usage factor) = 6 (rounded)

6/3 (average persons per household) = 2 residences