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REC'D ANW-610 PLANNING BR
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ANW. 610 <i>FD</i>
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27 July 1979

George Sato
FAA-Airport Planning Branch
FAA Building
Boeing Field
Seattle, WA 98108

Dear Mr Sato,

Following our discussion on 25 July 1979, we have prepared five pre-schematic site plans to indicate to you the numbers of people that may be anticipated at the North Seatac site under a variety of development regimes. You are familiar with four of the plans, as we presented these to the FAA on 17 July 1979. Using preliminary recommendations given to us at that time, a second "Modified Passive" plan was prepared. You will find all five plans enclosed. The numbers shown on the plan are derived from published information, previous studies, and our own experience.

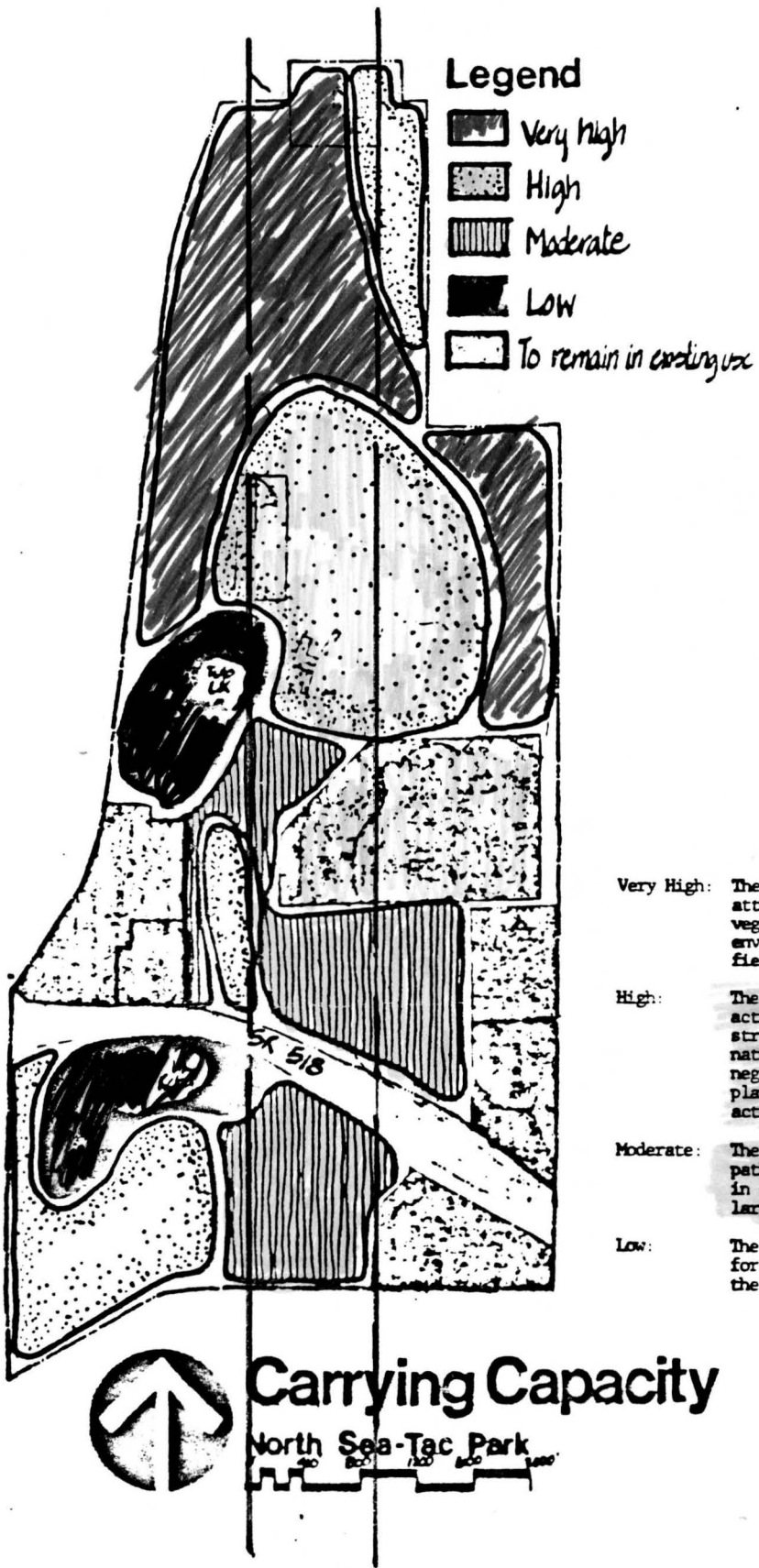
These plans are a very early phase of master planning and are intended only to provoke discussion. However, they do reflect our natural processes and social factors studies to this point. We have analyzed elements such as soils, hydrology, vegetation, and noise, etc. to determine which areas of the North Seatac site could carry varying recreation development intensities. Our studies have been synthesised into the map labeled "Carrying Capacity" which I have included with the pre-schematics.

If you have any questions regarding the pre-schematics or the process that lead to the Carrying Capacity plan, please feel free to call-I or Dave McNeal will be glad to help you.

Sincerely,

Janis Snoey
Janis Snoey

FAA received site plans with numbers of people that may be anticipated at the NST Park under a variety of development regimes



CARRYING CAPACITY

- Very High:** The area is suitable for intensive activities that may attract crowds, require manipulation of landform, soils, vegetation, or are potentially highly disruptive to environmental factors. These activities include sports fields, horse trails, and motorcycle trails.
- High:** The area is suitable for less intensive activities or activities that are limited to a small area such as play structures. These activities are less disruptive of the natural land form, yet may require alteration or may have negative environmental effects. Small game courts, playgrounds, golf, dog training, and picnicking. These activities should not attract large groups of people.
- Moderate:** The area is suitable for passive activities such as foot paths, picnic areas, frisbee playing, nature study and in some instances, golf. Activities should not attract large groups of people.
- Low:** The area is unsuitable for any development (or suitable for minor development such as foot paths) because of the high sensitivity of the environment.

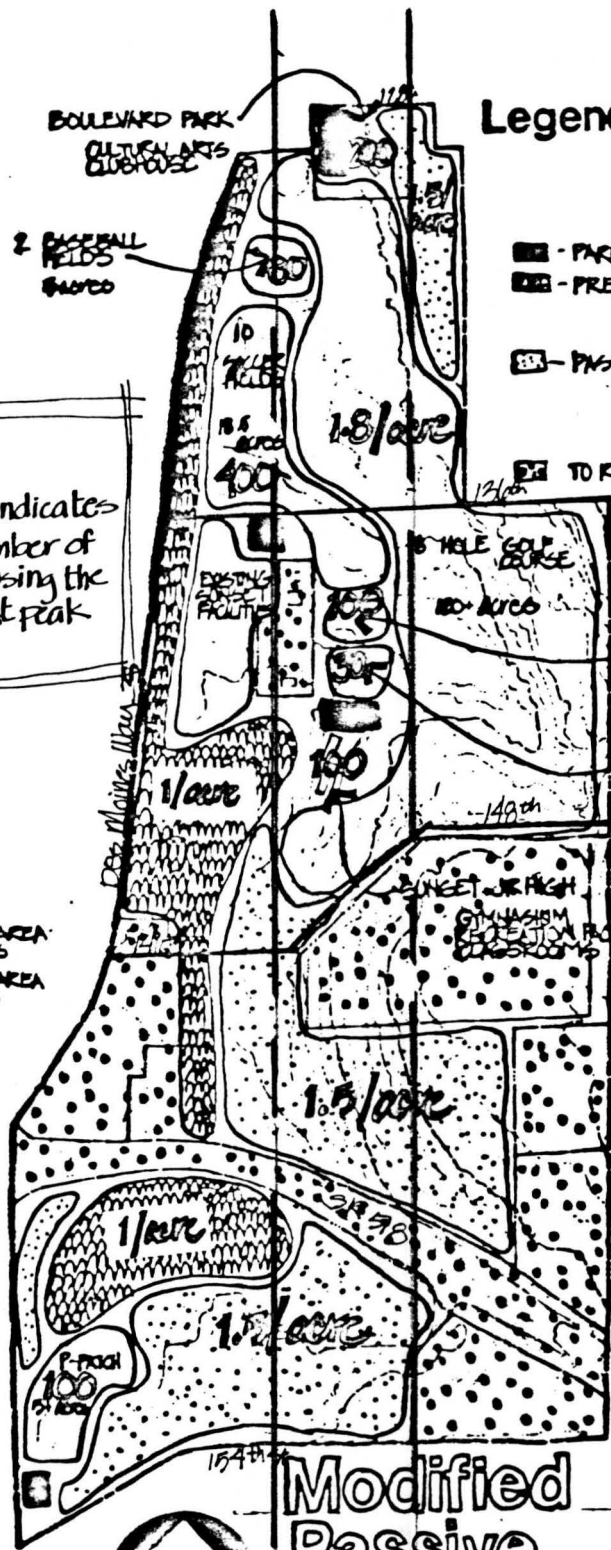
200
 80
 400
 100
 30
 100
 100

 1010

NOTE:
 100 - indicates the number of people using the facility at peak time

Legend

- PARKING
- PRESERVE
- FOOTPATHS NATURE TRAILS
- PASSIVE AREA
- MEADOWS WOODS TRAILS PLAYING
- TO REMAIN IN EXISTING USE



8 PASSIVE AREA
 190 ACRES
 4 PARKING AREA
 6 ACRES

Modified Passive

North Sea-Tac Park
 2000

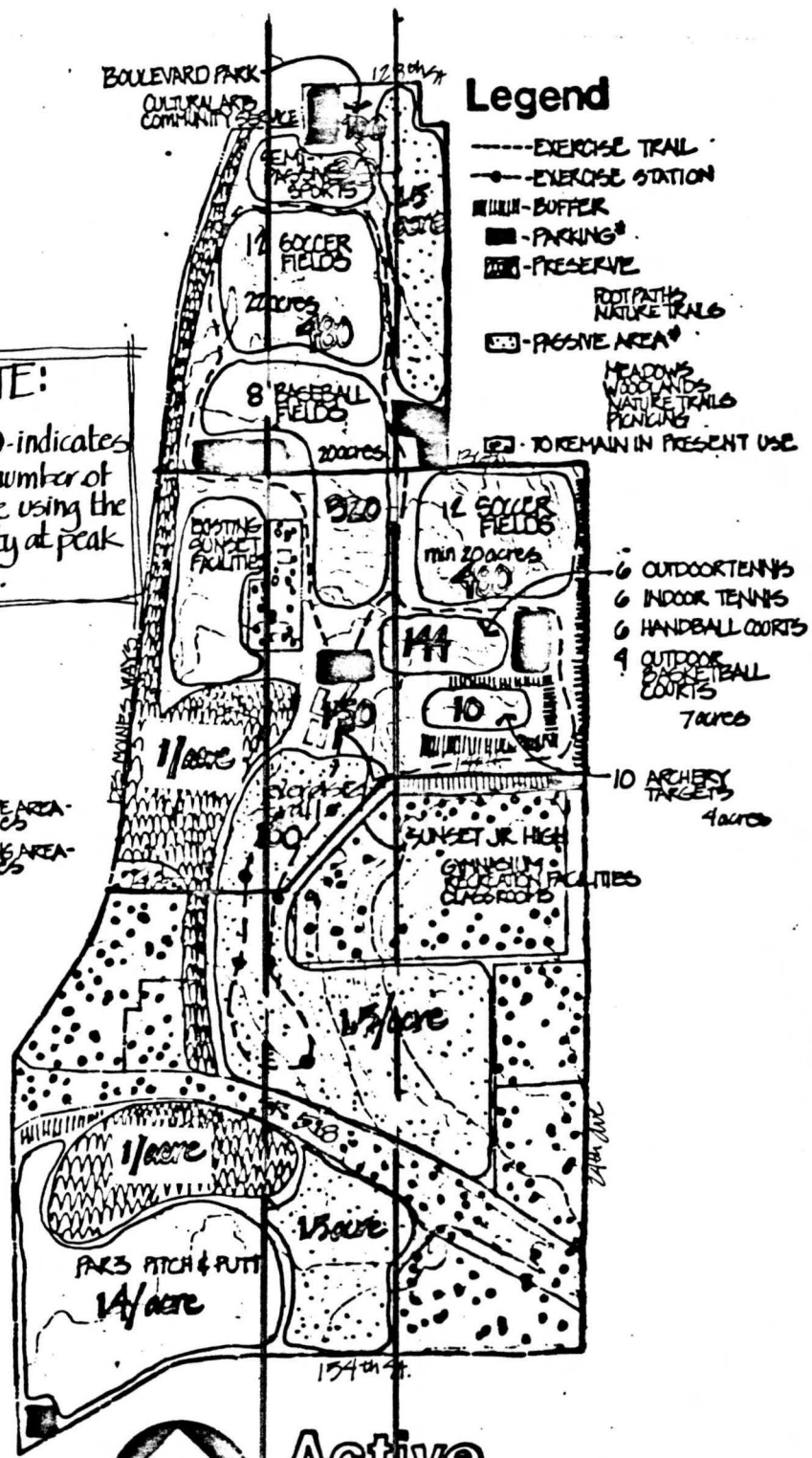
USE ONLY FOR PURPOSES OF DISCUSSION

3
 100
 30
 480
 320
 480
 144
 150
 10
 100

 1814

NOTE:
 100-indicates
 the number of
 people using the
 facility at peak
 time.

* PRESERVE AREA -
 10 acres
 * PARKING AREA -
 15 acres



Active

North Sea-Tac Park

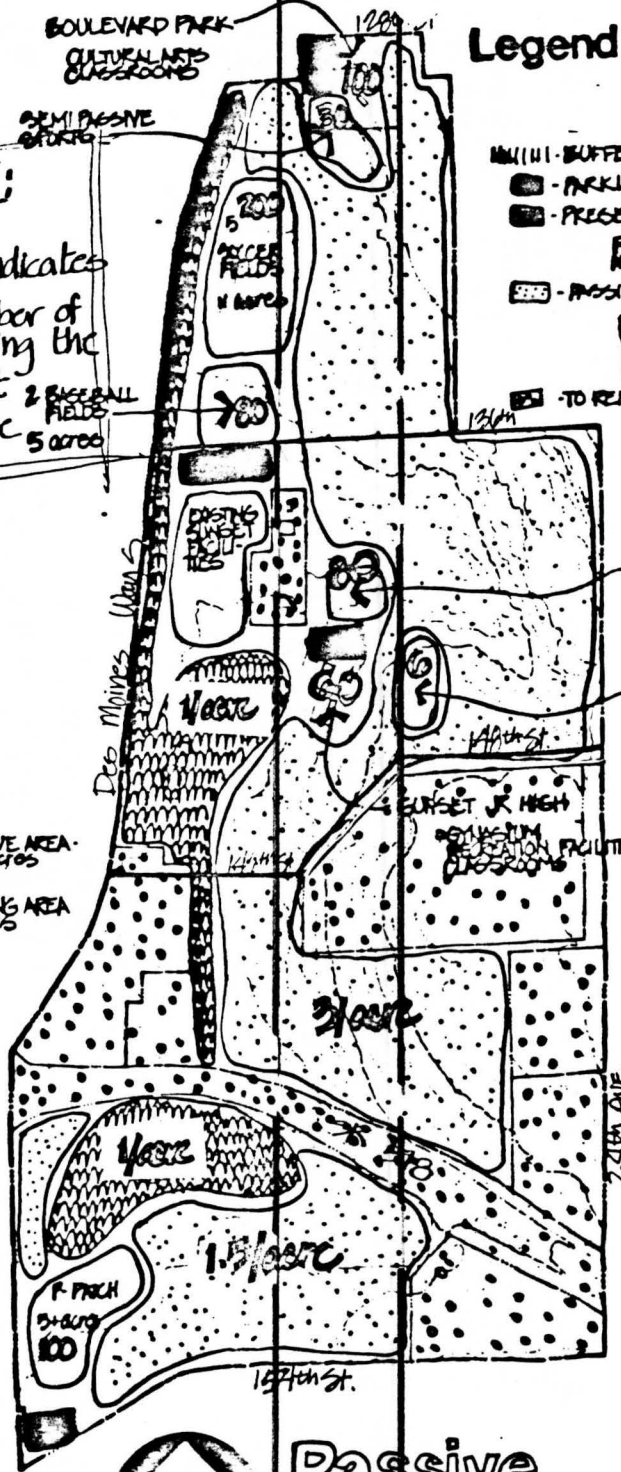


USE ONLY FOR PURPOSES OF DISCUSSION

100
 200
 80
 80
 66
 100

 626

NOTE:
 100 - indicates
 the number of
 people using the
 facility at
 peak time



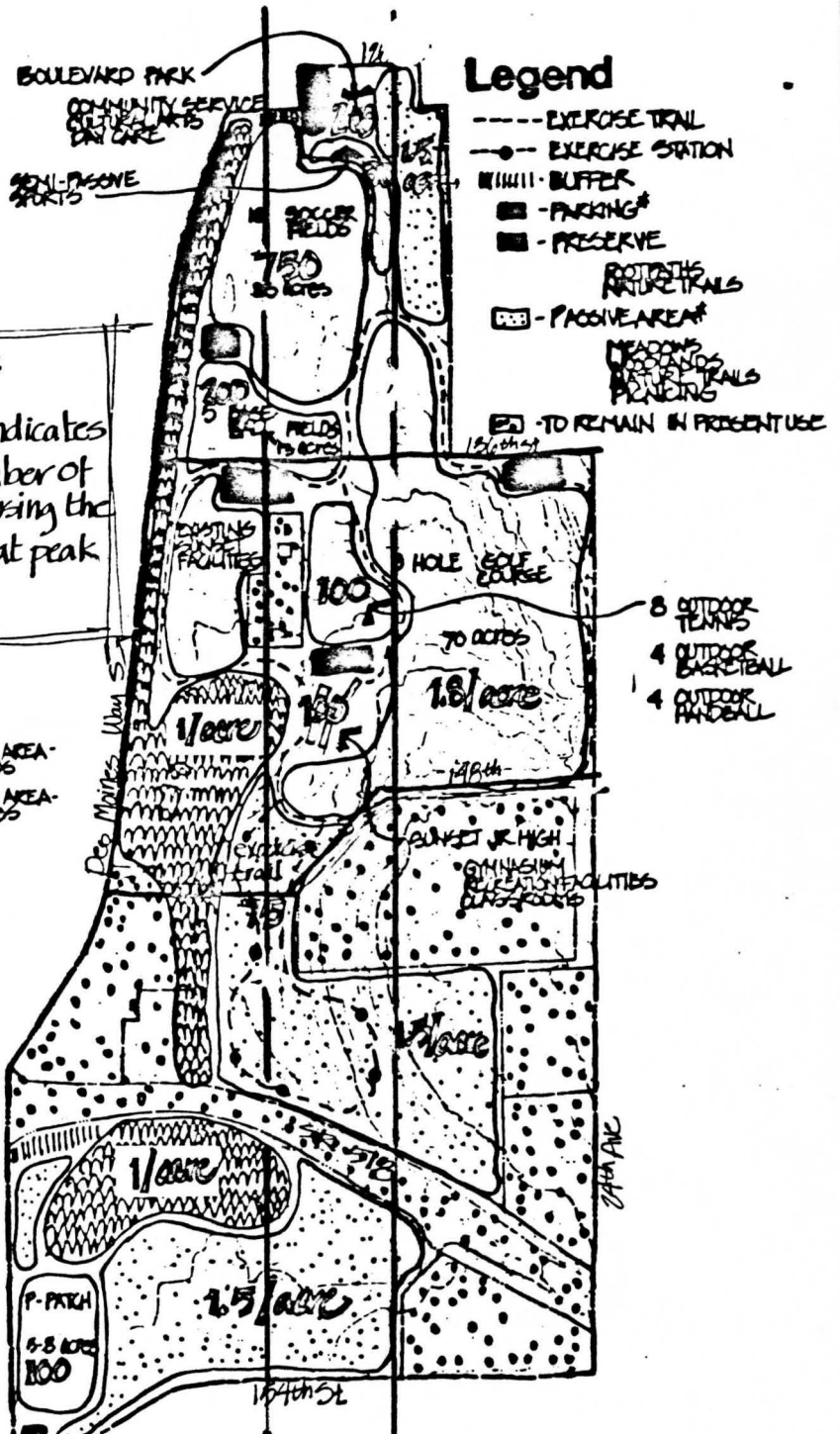
- Legend**
- MINI-BUFFER
 - PARKING
 - PRESERVE
 - ROTATING NATURE TRAILS
 - PASSIVE AREA
 - MEADOWS, BLOSSOMING PLANTS, AND NATIVE PLANT PLANTING
 - TO REMAIN IN EXISTING USE

* PASSIVE AREA
 200 acres

* PARKING AREA
 8 acres

Passive
 North Spa-Tac Park

USE ONLY FOR PURPOSES OF DISCUSSION



- Legend**
- EXERCISE TRAIL
 - EXERCISE STATION
 - ||||| BUFFER
 - PARKING
 - PRESERVE
 - PASSIVE AREA
 - ROTATING ACTIVE TRAILS
 - MEADOWS
 - BUSHES
 - TREES
 - TRAILS
 - PLAYING
 - TO REMAIN IN PRESENT USE

NOTE:
 100 - indicates the number of people using the facility at peak time

200
 750
 200
 100
 100
 75
 100

 1525

■ PASSIVE AREA - 150 ACRES
 ■ PARKING AREA - 10,000 SQ. FT.

- 8 OUTDOOR TENNIS
- 4 OUTDOOR BASKETBALL
- 4 OUTDOOR HANDBALL



Active/Passive

North Sea-Tac Park

USE ONLY FOR PURPOSES OF DISCUSSION

8/2/79

Seatac North area rec. plan

Citizens want ~~a~~ statement of FAA limitations on ^{allowable} population in rec. area

Industrial area causes concern due to worker population

Proposals assume 20 year development so changes can be made in future

County is not concerned about absolute numbers but committee is

George — support Modified passive 2

In clear zone	1.5/Ac
wide clear zone	20/Ac
Extended clear zone	2/Ac

These figures represent intensity in Mod. Pass 2

2.7 Beyond — 25.3/Ac (keep concentrations to sides)

Recommend that these be principally practiced facilities w/ tournament-type facilities elsewhere

Areas shown — "retain existing use" may will change to other airport uses.

Glacier High school to close — may provide for higher intensity use

Beyond changed to 40 per acre to accommodate soccer players & spectators.
(Modified passive 2)
(soccer fields to sideline)

To George Seito —
committee —
David A. Field - Acting Chief
Awards P/87717 BT.

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

NORTHWEST REGION
FAA BUILDING KING COUNTY INT'L AIRPORT
SEATTLE, WASHINGTON 98108



AUG 6 1979

Ms. Janis Snoey
Jongejan Gerrard Associates, Inc.
23 103rd Avenue N.E.
Bellevue, WA 98004

Dear Ms. Snoey:

This is in response to your letter of July 27, 1979, to George Saito of our office concerning the North Sea-Tac Recreation Planning project. We have reviewed the five recreation plans which were enclosed with your letter. Based on this review, we prefer the use of the "Modified Passive 2" plan as the basis for further analysis and study in the development of a final recreation plan for the area which would include open spaces as well as active use facilities.

We have made an overall review of this matter including the discussions which took place during the recent meetings on July 25, 1979, and August 2, 1979, and the peak time numbers of people anticipated with the "Modified Passive 2" plan in order that we may provide you with some guidelines on what we feel are reasonable and acceptable levels of public assemblies of people in the recreation study area. As you know, we have not had any specific quantitative guidelines on the matter of public assembly in terms of airport-land use compatibility consideration for recreation planning purposes. However, we fully agree that such guidance from our agency is needed as one of the basic elements in your efforts to develop a viable North Sea-Tac Recreation Plan along with the citizen participation program and interested agency inputs.

The guidelines below are provided as our recommendations on what we feel are acceptable levels of assemblies of people for recreation planning purposes in the study area. Please be advised that these guidelines are subjective in nature and based on our best judgment in terms of safety, airport-land use compatibility considerations, and review of the available information to date on the North Sea-Tac Recreation Planning project. The recommended guidelines are presented in terms of the following four areas:

a. The clear zone area (i.e., the area 200 feet off each end of the runway which is 2500 feet long with an inner width of 1000 feet and outer width of 1750 feet). The area should not be developed for



intensive recreation use. It should be used as very passive open space with anticipated peak time number of people which may not be more than 1.5 per acre.

b. The area involving the runway centerline extended up to 2500 feet beyond the clear zone area. The width of this area would be roughly 500 feet on either side of the extended centerline. Please note that the parallel runways are 800 feet apart centerline to centerline, and this would involve an area with a total width of 1800 feet by 2500 feet beyond the clear zone area. The area should not be developed for any recreation uses involving anticipated peak time number of people which may exceed 2 per acre. However, we feel that this level can be exceeded if there are some special existing conditions in this area. For example, we believe it is acceptable that up to anticipated peak time number of people of 60 may use the Sunset School gym. We would discourage any classroom type recreation activities at this school facility.

c. The area west and east of the clear zone area. Recreation development in this area should be such that the anticipated peak time number of people may not be more than 20 per acre.

d. The area north, west, and east of the area defined under b above. Recreation development in this area should be such that the anticipated peak time number of people may not be more than 40 per acre. We believe that each playfield, such as for soccer, should not have permanent benches which may accommodate more than 40 people per field.

We recommend that any future recreation plan drawings show the clear zone area and the extended runway centerlines for reference purposes. Needless to say, we also strongly discourage any recreation development which would create or increase the potential for any possible problems with airport operations including those involving bird hazards, incompatible lighting, and smoke-producing and/or electronic interference-producing activities.

We are pleased with your efforts so far on this project. We plan to continue working closely with you, the port, the county, and the public on this important land use planning effort. The guidelines presented above represent only a part of the basis from which the ultimate recreation plan will evolve. The important decisions which come later will be based on the real merits of the plan itself, and

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we hope that we will be able to assist you in finalizing a recreation plan which can be implemented. Please call us if you have any questions on the information presented above.

Sincerely,

Original signed by
David A. Field

DAVID A. FIELD
Acting Chief, Airports Planning Branch, ANW-610

cc:

✓ Art Yoshioka
Dave Baugh