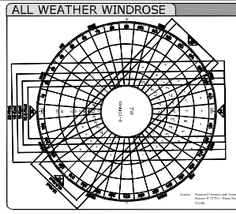
RUNWAY DATA

	RUNWAY 16R/34L		RUNWAY 16L/34R		RUNWAY 11/29	
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
APPROACH VISIBILITY MINIMUMS	1/2MILE/ 3/4MILE	CAT II / 1/2MILE	VISUAL/VISUAL	VISUAL/VISUAL	VISUAL/VISUAL	VISUAL/VISUAL
FAR PART 77 APPROACH SLOPE	50:1/34:1	50:1/50:1	20:1/20:1	20:1/20:1	20:1/20:1	20:1/20:1
RUNWAY WIDTH X LENGTH	150' X 9010'	150' X 9010'	75' X 3000'	75' X 3000'	75' X 4504'	75' X 4504'
PAVEMENT TYPE	ASPHALT/CONCRETE	ASPHALT/CONCRETE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
PAVEMENT STRENGTH (IN 1000 LBS.)	830 DDT	830 DDT	12.5 S	12.5 S	30 S	30 S
RUNWAY LIGHTING	HIRL (CL 16R)	MIRL (CL 34L) (CL 16R)	MIRL	MIRL	MIRL	MIRL
EFFECTIVE RUNWAY GRADIENT %	0.28	0.28	0.33	0.33	0.93	0.93
RUNWAY LINE-OF-SITE	CRITERIA MET	CRITERIA MET	CRITERIA MET	CRITERIA MET	CRITERIA MET	CRITERIA MET
WIND COVERAGE % (20 KNOTS)	99.5	99.5	99.5	96.5	96.5	99.5
VISUAL APPROACH AIDS	MALSR,SL,TVAV,VASI	ALP2,PAPI,RVR,SSALR	REIL,PAPI	REILS, PAPI	VASI	VASI,REILS
INSTRUMENT APPROACH AIDS	NDB,ILS,GPS	NDB,ILS,GLS,GPS	NONE	NONE	NONE	NONE
AIRPORT REFERENCE CODE	D-IV	D-IV	B-I	B-I	B-I	B-I
CRITICAL AIRCRAFT	B-747-400	B-747-400	KING AIR B100	KING AIR B100	KING AIR B100	KING AIR B100
RUNWAY SAFETY AREA DIMENSIONS	500' X 1000'	500' X 1000'	120' X 240'	120' X 240'	120' X 240'	120' X 240'
RUNWAY OBJECT FREE AREA DIMENSIONS	800' X 1000'	800' X 1000'	250' X 240'	250' X 240'	250' X 240'	250' X 240'
OBSTACLE FREE ZONE CRITERIA	CRITERIA MET	CRITERIA MET	CRITERIA MET	CRITERIA MET	CRITERIA MET	CRITERIA MET
RUNWAY END COORDINATES (NAD 83)	LAT. 47°54'14.804"N LON. 122°17'09.087"W	LAT. 47°54'14.804"N LON. 122°17'09.087"W	LAT. 47°54'33.119"N LON. 122°18'18.097"W	LAT. 47°54'23.119"N LON. 122°18'18.097"W	LAT. 47°54'33.514"N LON. 122°17'17.769"W	LAT. 47°54'23.478"N LON. 122°17'33.390"W
	LAT. 47°52'41.898"N LON. 122°17'01.004"W	LAT. 47°52'41.898"N LON. 122°17'01.004"W	LAT. 47°53'33.514"N LON. 122°16'11.769"W	LAT. 47°53'53.514"N LON. 122°16'11.769"W	LAT. 47°54'06.537"N LON. 122°16'54.533"W	LAT. 47°54'06.537"N LON. 122°16'54.533"W
RUNWAY ELEVATIONS END	562.86'/577.50'	562.86'/577.50'	601.03'/599.88	601.03'/599.88	564.98'/603.81'	564.98'/603.81'
HIGH POINT	582.57'	582.57'	609.6'	609.6'	607.63'	607.63'
LOW POINT	562.86'	562.86'	599.88'	599.88'	564.34'	564.34'
TOUCHDOWN ZONE ELEVATION	570.54'/582.57'	570.54'/582.57'	604.1'/600.9'	604.1'/600.9'	588.9'/607.5'	588.9'/607.5'
DECLARED DISTANCES TORA	9010'/9010'	9010'/9010'	3000'/3000'	3000'/3000'	4504'/4504'	4504'/4504'
TODA	9010'/9010'	9010'/9010'	3000'/3000'	3000'/3000'	4504'/4504'	4504'/4504'
ASDA	9010'/9010'	9010'/9010'	3000'/3000'	3000'/3000'	4504'/4264'	4504'/4264'
LDA	9010'/9010'	9010'/9010'	3000'/3000'	3000'/3000'	3705'/4264'	3705'/4264'
DISPLACED THRESHOLD COORDINATES					LAT. 47°54'31.588"N LON. 122°17'33.941"W	LAT. 47°54'21.588"N LON. 122°17'33.941"W
DISPLACED THRESHOLD ELEVATION					576.99'	576.99'
THRESHOLD SITING SURFACE	(SEE INNER APPROACH DRAWINGS/PROFILES – NO PENETRATIONS)					

NOTES: 1. This drawing reflects current planning standards applicable to Paine Field Airport to the greatest extent possible. This drawing should not be used as a standard for planning or design.
2. Runway End and Airport Reference Point Lat./Long. coordinate data is NAD83/91. Runway elevation vertical datum NAVD 88.

ALL WEATHER WINDROSE



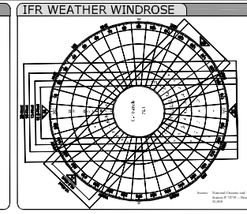
ALL WEATHER WIND COVERAGE SUMMARY
Paine Field Master Plan Update

Runway Designation	20-Knot Crosswind Component	10.5-Knot Crosswind Component
Runway 16/34	99.99%	98.62%
Runway 16	74.80%	73.53%
Runway 34	65.63%	65.20%
Runway 11/29	99.83%	93.35%
Runway 11	77.09%	71.53%
Runway 29	65.98%	63.96%
Combined	100.0%	99.95%

Source: Wind analysis tabulation provided by Barnard Dunkelberg & Company utilizing the FAA Airport Design Software supplied with AC 150/5300-13.

Source: National Oceanic and Atmospheric Administration, National Climate Data Center, Station # 72793 – Paine Field, Snohomish County, Everett, WA. Period of Record: 1951-2000. Total Observations: 50,868.

IFR WEATHER WINDROSE



IFR WIND COVERAGE SUMMARY
Paine Field Master Plan Update

Runway Designation	Wind Coverage Provided Under IFR Conditions – 13-Knot Maximum Crosswind	Wind Coverage Provided Under IFR Conditions – 10.5-Knot Maximum Crosswind
Runway 16/34	100.00%	98.99%
Runway 16	85.35%	84.37%
Runway 34	50.48%	50.20%
Runway 11/29	99.75%	92.22%
Runway 11	87.50%	80.17%
Runway 29	55.46%	54.11%
Combined	100.0%	99.95%

Source: Wind analysis tabulation provided by Barnard Dunkelberg & Company utilizing the FAA Airport Design Software supplied with AC 150/5300-13.
Ceiling of less than 1,000 feet, but equal to or greater than 200 feet and/or, visibility less than 3 statute miles, but equal to or greater than ¼ statute mile.

Source: National Oceanic and Atmospheric Administration, National Climate Data Center, Station # 72793 – Paine Field, Snohomish County, Everett, WA. Period of Record: 1951-2000. Total Observations: 50,868.

APPROVAL

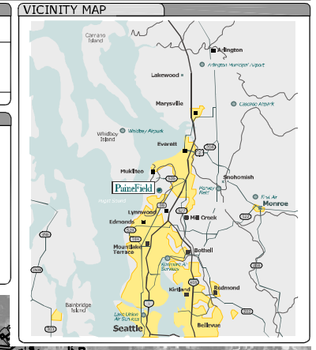
AIRPORT SPONSOR — DATE

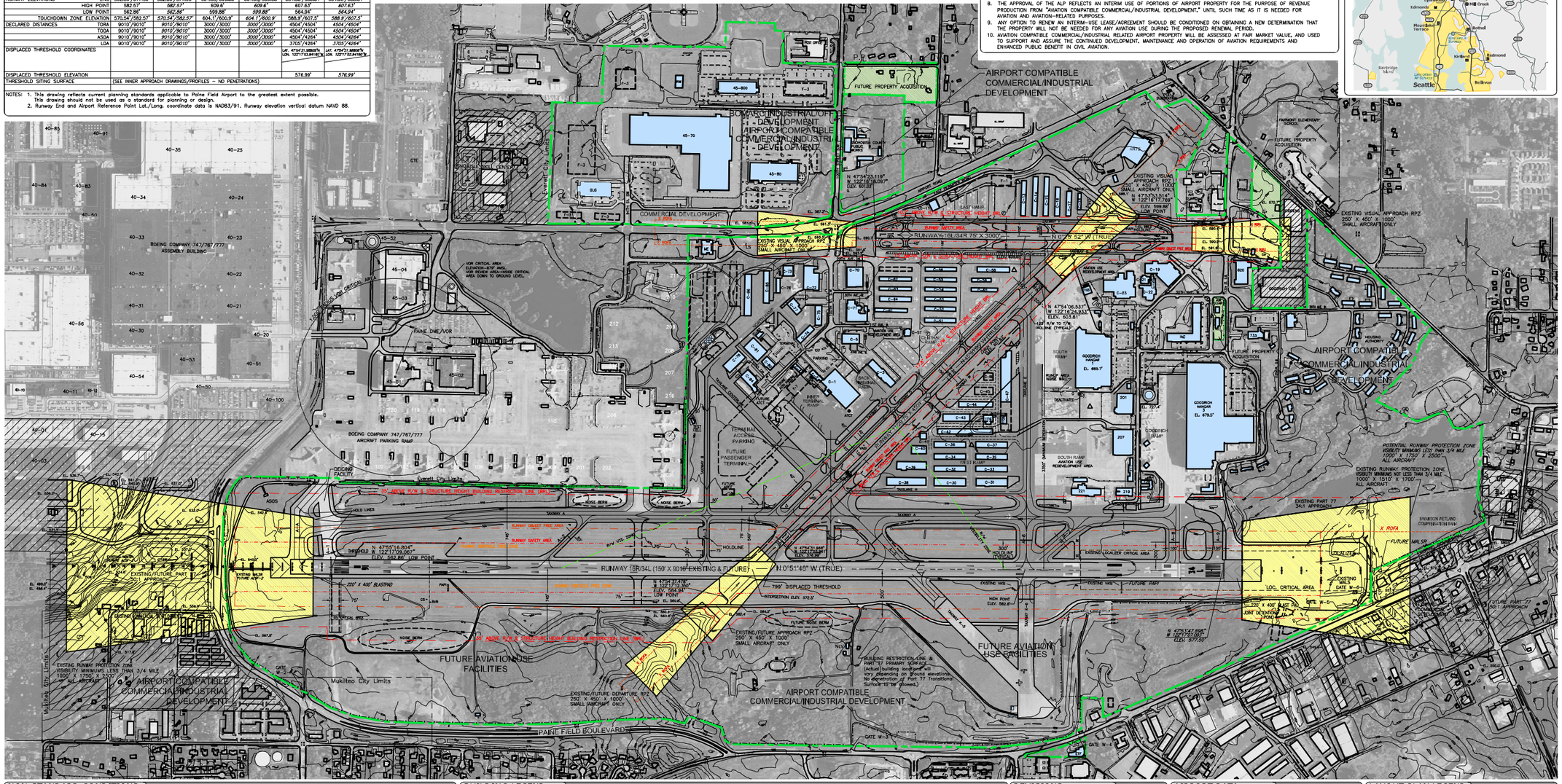
FEDERAL AVIATION ADMINISTRATION — DATE

NOTES

1. THIS DRAWING IS FOR PLANNING AND DESIGN ONLY AND IS NOT INTENDED FOR ENGINEERING PURPOSES.
2. ALL LAT./LON. COORDINATE DATA IS NAD83.
3. PHOTOGRAMMETRIC MAPPING BY WALKER AND ASSOCIATES, SEATTLE, WA. PREPARED FOR SNOHOMISH COUNTY AIRPORT, JUNE 1998, (1" = 100' MAP ACCURACY). AERIAL PHOTOS DATED MAY 15, 2001.
4. ROADWAY AND RAILROAD SPOT ELEVATIONS WITHIN RUNWAY PROTECTION ZONE ARE BASED ON WALKER AND ASSOCIATES SURVEY.
5. DIGITAL FILE HORIZONTAL COORDINATE SYSTEM IS WASHINGTON STATE PLANE, NORTH ZONE 1983/1991 ADJUSTED, VERTICAL NAVD 88.
6. RUNWAY END ELEVATIONS BASED ON SURVEY DATA BY CH2MHILL 06/14/00.
7. ALL CONCEPT ORIENTED DEVELOPMENT STATEMENTS DEPICTED ON THE ALP DRAWING ARE SUBJECT TO FURTHER PLANNING AND REQUIRES FAA APPROVAL OF AN UPDATE TO THE ALP.
8. THE APPROVAL OF THE ALP REFLECTS AN INTERIM USE OF PORTIONS OF AIRPORT PROPERTY FOR THE PURPOSE OF REVENUE PRODUCTION FROM "AVIATION COMPATIBLE COMMERCIAL/INDUSTRIAL DEVELOPMENT," UNTIL SUCH TIME AS IT IS NEEDED FOR AVIATION AND AVIATION-RELATED PURPOSES.
9. ANY OPTION TO RENEW AN INTERIM-USE LEASE/AGREEMENT SHOULD BE CONDITIONED ON OBTAINING A NEW DETERMINATION THAT THE PROPERTY WILL NOT BE NEEDED FOR ANY AVIATION USE DURING THE PROPOSED RENEWAL PERIOD.
10. AVIATION COMPATIBLE COMMERCIAL/INDUSTRIAL RELATED AIRPORT PROPERTY WILL BE ASSESSED AT FAIR MARKET VALUE, AND USED TO SUPPORT AND ASSURE THE CONTINUED DEVELOPMENT, MAINTENANCE AND OPERATION OF AVIATION REQUIREMENTS AND ENHANCED PUBLIC BENEFIT IN CIVIL AVIATION.

VICINITY MAP




AIRPORT COMPATIBLE COMMERCIAL/INDUSTRIAL DEVELOPMENT
BOMARC INDUSTRIAL/OFFICE DEVELOPMENT
AIRPORT COMPATIBLE COMMERCIAL/INDUSTRIAL DEVELOPMENT
FUTURE PROPERTY ACQUISITION
FUTURE AVIATION USE FACILITIES
AIRPORT COMPATIBLE COMMERCIAL/INDUSTRIAL DEVELOPMENT
RUNWAY 16L/34R 75' X 3000'
RUNWAY 16R/34L (150' X 9010' EXISTING & FUTURE)
N 0°51'48" W (TRUE)
N 0°56'52" W (TRUE)
PAINE FIELD BOULEVARD
EXISTING VISUAL APPROACH RPZ 250' X 450' X 1000' SMALL AIRCRAFT ONLY
EXISTING/FUTURE APPROACH RPZ 250' X 450' X 1000' SMALL AIRCRAFT ONLY
EXISTING/FUTURE DEPARTURE RPZ 250' X 450' X 1000' SMALL AIRCRAFT ONLY
EXISTING VISUAL APPROACH RPZ 500' X 450' X 1000' SMALL AIRCRAFT ONLY
EXISTING VISUAL APPROACH RPZ 500' X 450' X 1000' SMALL AIRCRAFT ONLY
EXISTING RUNWAY PROTECTION ZONE VISIBILITY MINIMUMS LESS THAN 3/4 MILE 1000' X 1750' X 2500' ALL AIRCRAFT
POTENTIAL RUNWAY PROTECTION ZONE VISIBILITY MINIMUMS LESS THAN 3/4 MILE 1000' X 1750' X 2500' ALL AIRCRAFT
EXISTING RUNWAY PROTECTION ZONE VISIBILITY MINIMUMS NOT LESS THAN 3/4 MILE 1000' X 1510' X 1700' ALL AIRCRAFT
EXISTING PART 77 34:1 APPROACH
FUTURE PART 77 50:1 APPROACH
BUILDING RESTRICTION LINE & PART 77 PRIMARY SURFACE (Actual building location will vary depending on ground elevations. No penetration of Part 77 Transitional Surface to be allowed.)
35' ABOVE R/W & STRUCTURE HEIGHT BUILDING RESTRICTION LINE (BRL)
100' HOLDING LINE (TYPICAL)
LOC. CRITICAL AREA
EXISTING LOCALIZER CRITICAL AREA
VOR CRITICAL AREA ELEVATION 619' AMSL VOR REVIEW AREA-INSIDE CRITICAL AREA DOWN TO GROUND LEVEL.
100' OBSTACLE FREE ZONE (TYPICAL)
RUNWAY OBJECT FREE AREA
RUNWAY SAFETY AREA
RUNWAY OBSTACLE FREE ZONE
PAINE DME/VOR
BOEING COMPANY 747/767/777 ASSEMBLY BUILDING
BOEING COMPANY 747/767/777 AIRCRAFT PARKING RAMP
DECOMM FACILITY
Everett City Limits
Mukilteo City Limits
Lynnwood City Limits
ASOS
EXISTING/FUTURE PART 77 50:1 APPROACH
EXISTING RUNWAY PROTECTION ZONE VISIBILITY MINIMUMS LESS THAN 3/4 MILE 1000' X 1750' X 2500' ALL AIRCRAFT
TERMINAL ACCESS PARKING
FUTURE PASSENGER TERMINAL
INNER TERMINAL ROAD
TERMINAL ACCESS ROAD
FUTURE ACCESS ROAD
SOUTH RUNWAY AVIATION USE REDEVELOPMENT AREA
SOUTH RUNWAY AVIATION USE REDEVELOPMENT AREA
RAMP AREA NOISE BERM
DEACTIVATED
GOODRICH HANGAR EL. 685.7
GOODRICH HANGAR EL. 679.5'
HOUSING DEVELOPMENT
FUTURE PROPERTY ACQUISITION
FAIRCHILD ELEMENTARY SCHOOL
FUTURE PROPERTY ACQUISITION
EXISTING VISUAL APPROACH RPZ 500' X 450' X 1000' SMALL AIRCRAFT ONLY
EXISTING VISUAL APPROACH RPZ 500' X 450' X 1000' SMALL AIRCRAFT ONLY
EXISTING RUNWAY PROTECTION ZONE VISIBILITY MINIMUMS NOT LESS THAN 3/4 MILE 1000' X 1510' X 1700' ALL AIRCRAFT
POTENTIAL RUNWAY PROTECTION ZONE VISIBILITY MINIMUMS LESS THAN 3/4 MILE 1000' X 1750' X 2500' ALL AIRCRAFT
EXISTING PART 77 34:1 APPROACH
FUTURE PART 77 50:1 APPROACH
SAMMAMISH RIVER/LAKE COMPENSATION AREA
X ROYA
FUTURE MALSR
LOCATOR
EXISTING MALSR DATE W-5-67
220' X 400' BLASTPAD
JOINT DETENTION POND
TAXIWAY A
TAXIWAY A-5
TAXIWAY A-6
TAXIWAY A-7
TAXIWAY A-8
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