

## RADIO FIX AND HOLDING DATA RECORD

NAME: POWEL

STATE: OR

COUNTRY: US

LATITUDE/LONGITUDE: 441043.37N/1210511.28W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	LAKEVIEW	LKV	VORTAC	H	327.12	346.12	104.27	104.27		18000	45000
2	KIMBERLY	IMB	VOR/DME	H	225.00	245.00		65.50		18000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LKV	VORTAC	R-327	105	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

KIMBERLY (FAC 2) AND LAKEVIEW (FAC 1) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J5	1, 2				(US)
IAP	RNAV (RNP) Z RWY 23			KRDM	REDMOND	OR (US)
IAP	RNAV (RNP) Z RWY 5			KRDM	REDMOND	OR (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/20/2015

## REASON FOR REVISION:

UPDATED FIX USE, CHANGED RDM FROM RWY 22 TO 23 AND RWY 4 TO 5.

DEVELOPED BY:

DATE: 03/23/2015

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 08/10/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZSE  
ATC FACILITY: RDM ATCT  
OTHER: SEA FSS

QUALITY  
3  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SUMMA **STATE:** WA **COUNTRY:** US  
**LATITUDE/LONGITUDE:** 463704.29N/1215917.96W **TYPE:** WP, RADAR, DME  
**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	SEATTLE	SEA	VORTAC	H	145.84	164.84	50.81	50.81		8000	45000
2	OLYMPIA	OLM	VORTAC	H	100.09	119.09	43.23	43.23		14700	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SEA	VORTAC	R-146	51	8000	45000

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	SEA	VORTAC	145.84	145.84	R	1 1/2		18000	45000	18	31

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES  
 HOLDING PER ATC REQUEST  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SUMMA	1		KSEA	SEATTLE	WA (US)
DP	MOCMA (RNAV)			KTCM	TACOMA	WA (US)
EN ROUTE	J5	1, 2				(US)
EN ROUTE	J54	1, 2				(US)
EN ROUTE	Q9					(US)

**REQUIRED CHARTING:** DP, MILITARY DP, CONTROLLER, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 11 **DATE OF REVISION:** 10/15/2015

**REASON FOR REVISION:**

1. CHANGED PAT 1 LEG LENGTH FROM 11 DME TO 1 1/2 MINUTES.  
 2. CHANGED PAT 1 MIN/MAX TEMPLATE SIZE FROM -/17 TO 18/31 BASED ON HOLDING ALTITUDES.

**DEVELOPED BY:** **DATE:** 05/13/2015 **OFFICE:** AJV-354 **NAME:** RUSSELL ROSLEWSKI

**APPROVED BY:** **DATE:** 09/01/2015 **OFFICE:** AJV-354 **NAME:** JILL OLSON

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
 FPO: WST  
 ARTCC: ZSE  
 ATC FACILITY: SEA APP CON  
 OTHER:

QUALITY  
 3  
 CHECKED