

Exhibit 12  
 Redding, CA

REFERENCE CH# 232D - 94.3 MHz, Pwr= 0.01 kW, HAAT=1465.5 M, COR= 1927 M DISPLAY DATES  
 40 36 10 N Average Protected F(50-50)= 19.75 km DATA 06-01-05  
 122 38 58 W Ave. F(50-10) 40 dBu= 74.0 54 dBu= 35.1 80 dBu= 2.2 100 dBu= .2 SEARCH 06-15-05

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
232D Redding	K232DQ	APP C CA	0.0 180.0	5.55 BMPFT20050106ABW	40 39 10 122 38 58	0.010 727	1941 55.0	15.0 Educational Media Foundati	-67.90*	-78.95*
232D Redding	K232DQ	CP C CA	62.3 242.3	12.27 BNPFT20030828AZW	40 39 14 122 31 15	0.010 43	1044 12.0	3.8 Educational Media Foundati	-18.88*	-63.52
234C2 Anderson	KEWB	LIC CN CA	62.5 242.5	11.80 BLH19910918KA	40 39 06 122 31 32	4.200 -28	1013 1.6	14.4 Results Radio Of Redding L	-8.99*	-2.77*
232D Hayfork	K232CW	LIC VN CA	255.5 75.5	48.13 BLFT19950706TA	40 29 35 123 11 57	0.010 294	1351 33.4	10.0 Research Foundation, Calif	0.36	-14.51
229D Eureka	K229AF	APP V CA	65.4 245.4	60.09 BPFT20030207ABD	40 49 32 122 00 05	0.002 107	584 0.1	4.0 Calvary Chapel Of Twin Fal	40.65	55.92
231C1 Hydesville	KSLGFM	LIC NC CA	265.9 85.9	138.97 BLH20010413AAJ	40 30 04 124 17 05	4.500 513	712 82.2	55.1 Lost Coast Communications,	40.76	58.04
231L1 Mt. Shasta	KMSJ-L	LIC CA	20.5 200.5	81.93 BLL20021025ABM	41 17 34 122 18 18	0.100 -214	1103 8.0	5.6 Mountain Christian Fellows	55.63	44.40

ERP and HAAT are on direct line to and from reference station.  
 "\*"Affixed to 'IN' or 'Out' values = site inside protected contour.

Protected zones report for K232DQ on channel 232 06-15-2005  
N. Lat. 41 17 34 W. Lng. 122 18 18, ERP= 0.01 kw, HAAT= 1465.5M

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Facility okay with respect to Canada.  
Facility okay with respect to Mexico.  
Facility is okay with respect to AM station towers.  
Facility is okay with respect to FCC monitoring stations.  
Facility is okay toward West Virginia Quiet Zone.  
Facility okay toward Table Mountain.

## **Exhibit 12 (Compliance with CFR 74.1204)**

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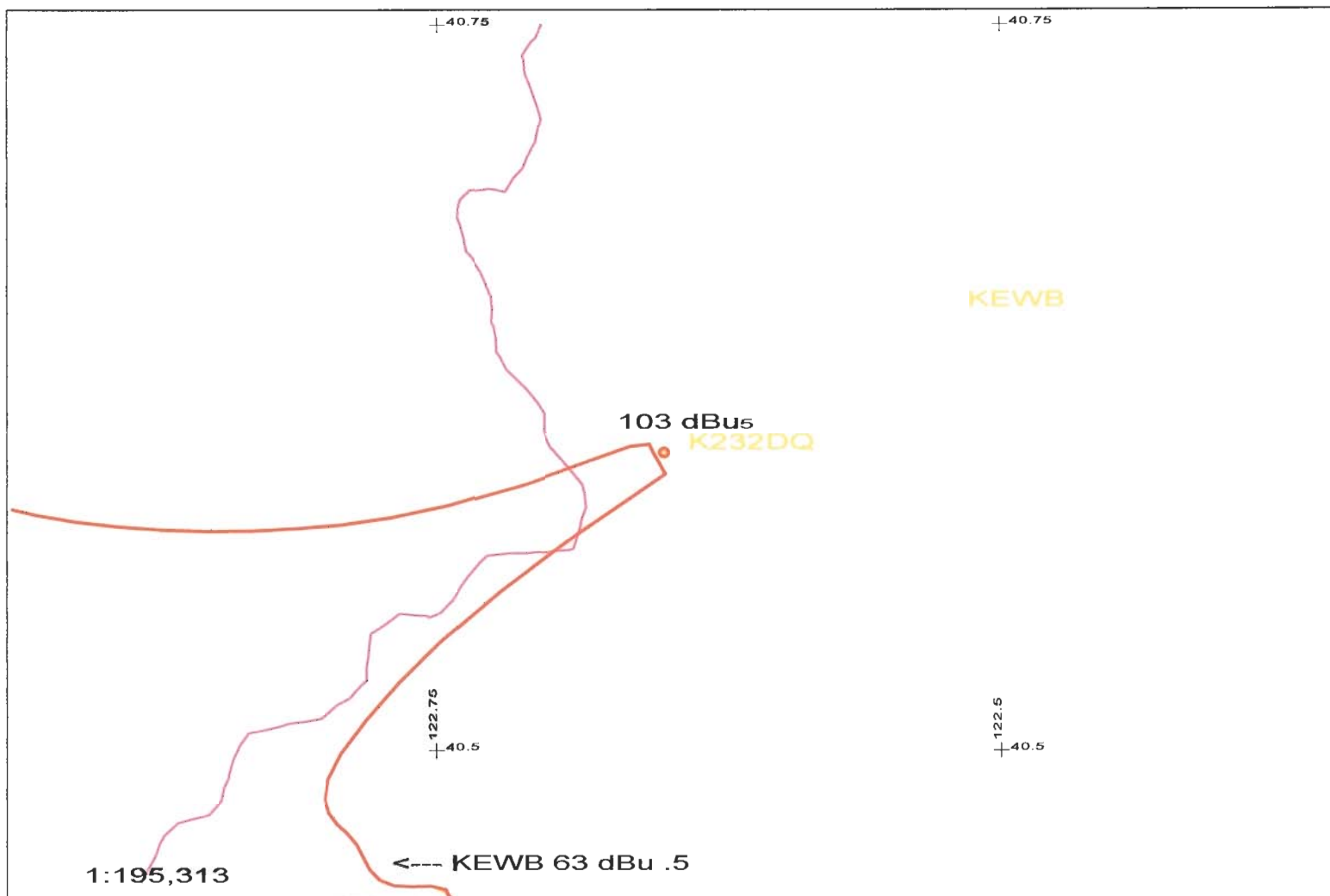
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KEWB, channel 234C2, Anderson, CA. The predicted F(50-50) field strength of KEWB at the proposed translator site is 62.5 dBu, *see Exhibit 12A*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 102.5.dBu. This interfering contour extends less than 166 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

Two factors have been investigated to determine this absence of population:

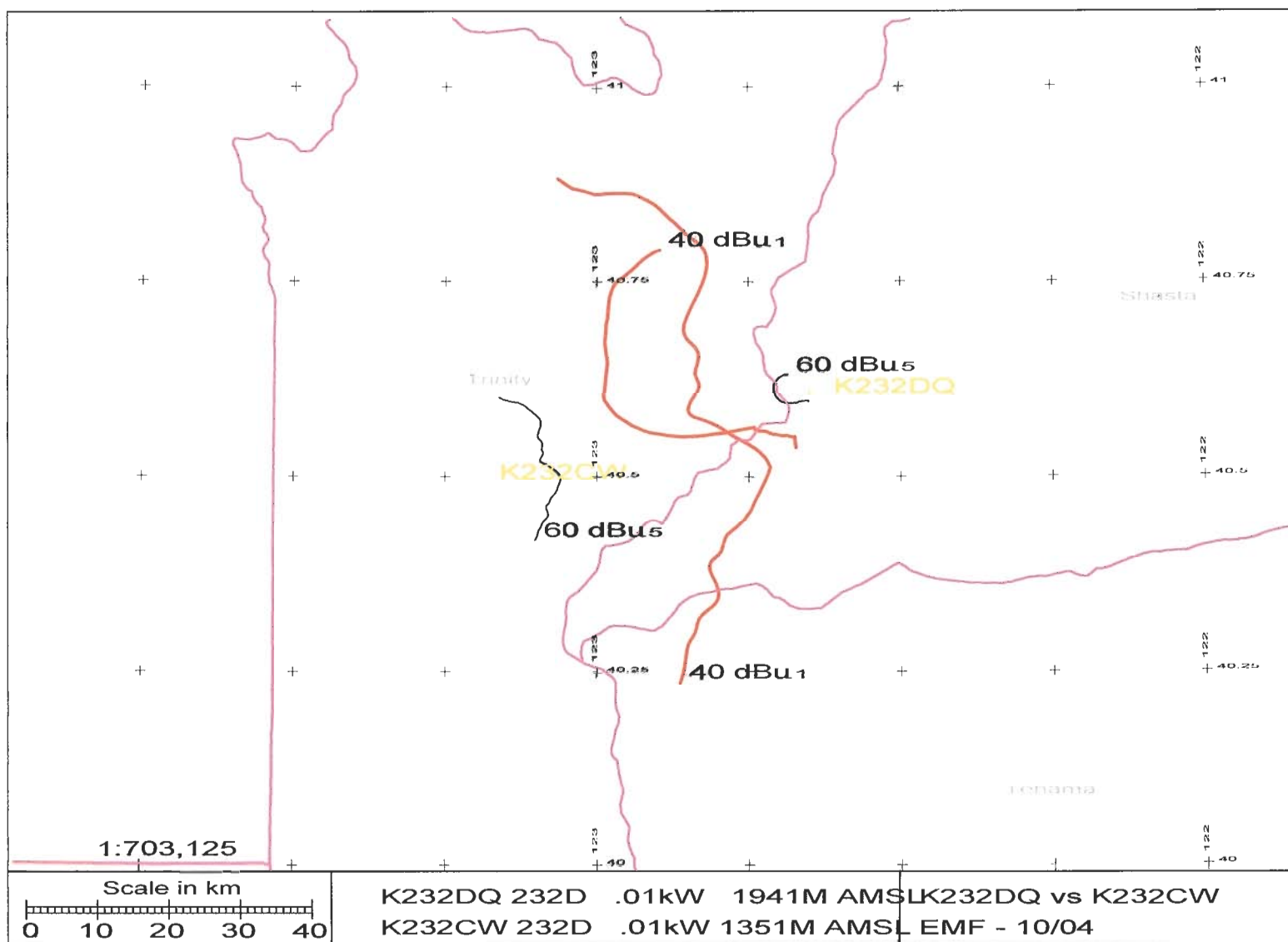
1) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.

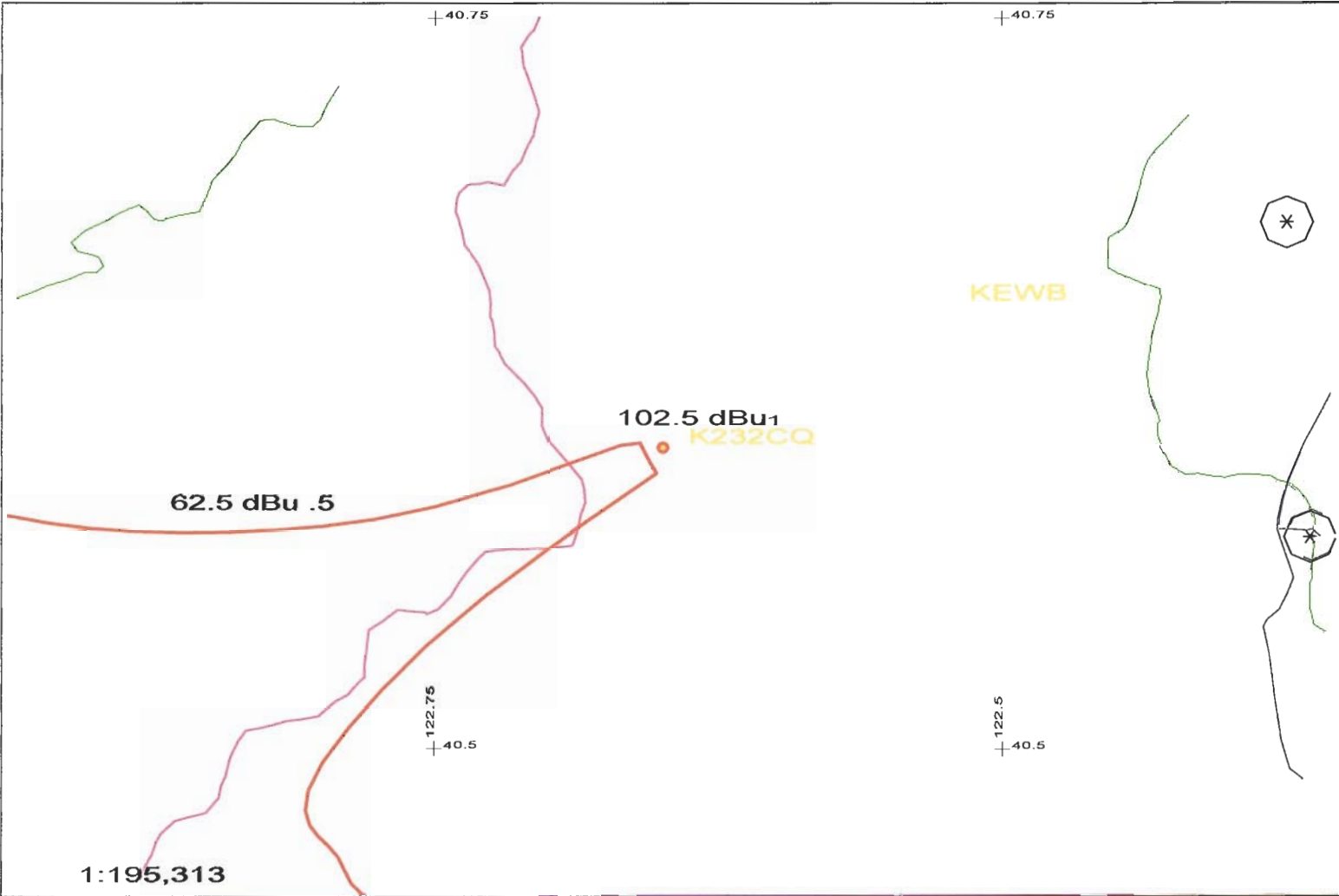
2) Examination of the USGS topographic map reveals no regularly occupied structures within the area of overlap.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.



<p>Scale in km</p> <p>0 10</p>	<p>K232DQ 232D .01kW 1941M AMSLE</p> <p>N. Lat. 40 36 10 W. Lng. 122 38 58</p>	<p>Exhibit 12A</p> <p>EMF - 10/04</p>
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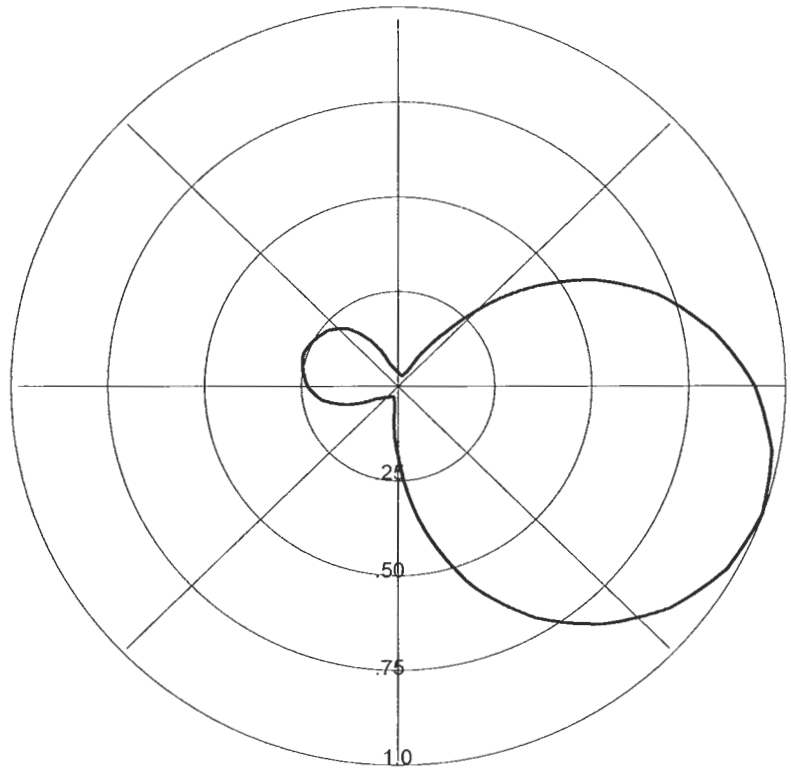


<p>Scale in km</p> <p>0 10</p>	<p>K232CQ 232D .01kW 1941M AMS</p> <p>N. Lat. 40 36 10 W. Lng. 122 38 58</p>	<p>Exhibit 12B</p> <p>EMF - 12/04</p>
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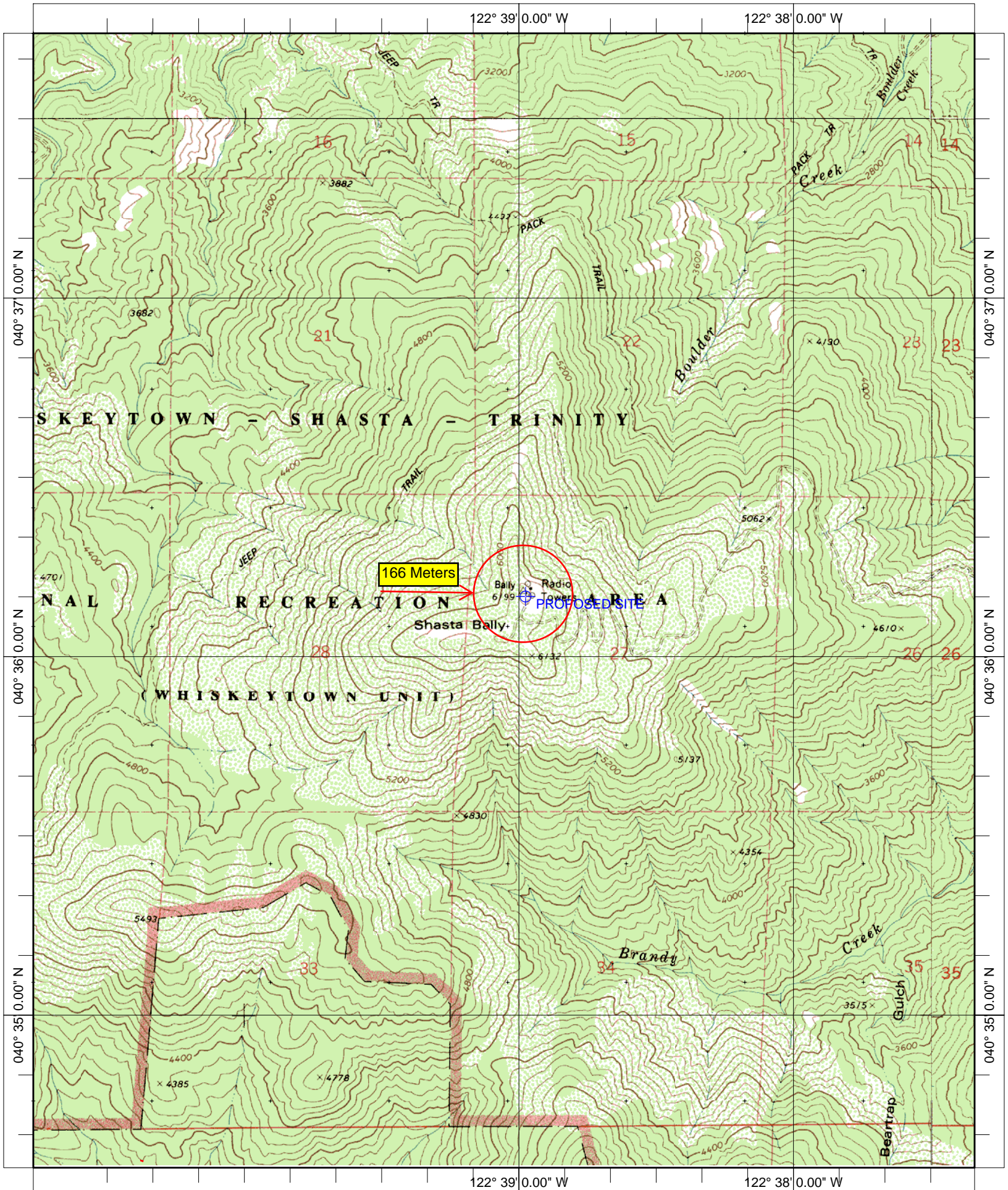
10-22-2004  
InterDLG (C)

Bearing   Field Value

000	0.037
010	0.032
020	0.030
030	0.045
040	0.187
050	0.388
060	0.570
070	0.715
080	0.829
090	0.920
100	0.979
110	1.000
120	0.979
130	0.920
140	0.829
150	0.715
160	0.570
170	0.388
180	0.187
190	0.045
200	0.030
210	0.032
220	0.037
230	0.046
240	0.065
250	0.142
260	0.202
270	0.234
280	0.250
290	0.260
300	0.250
310	0.234
320	0.202
330	0.142
340	0.065
350	0.046







Name: SHASTA BALLY  
Date: 10/22/2004  
Scale: 1 inch equals 2000 feet

Location: 040° 36' 09.4" N 122° 39' 03.2" W  
Caption: Exhibit 12  
Site 40-36-10 / 122-38-58