Subject: Database: This file:	Data dictionary allplots.dct, allplots.db allplots.doc Users of the ALLPLOTS.AGR Database George Wooten, creator 1990 (ASCII version) to 12–12–94 (Paradox version)				
To: From: Date:					
Document Typ Table Format Source of Da Method:	 e: ASCII, Paradox Flat file, Paradox ta: North Cascades Grizzly Bear Evaluation. GIS lookup tables, overlays of plots on orthophotos and plots of spectral classes. 				
Authors:	G. Wooten, F. Streier, M. Mancuso, J. Engle, S. Forker, D. Trappe.				
Associated f	<pre>iles: ALLPLOTS.FLI - Paradox flimport template for export to Paradox format. SPECTRAL.DB - Paradox database developed from this file. RAIN-UTM.DB, UTMS, EXTG.ALL, COUNTY.DB, etc.</pre>				

Summary information: Number of records: 3323. See EXTG.DCT for Explanation of plot codes.

FIELD	Fmt	Description
PLOTNUM	S	Plot no.
PLOTID	Α5	Plot no.
NORTHING	Ν	UTM
EASTING	Ν	UTM
COUNTY	Α9	County
QUAD	A3	Quad label.
PRECIP	S	Precipitation, inches
PRECGIS	A1	Class, the degree of precision in determining
		spectral class no. from GIS.
		Class 1 (highest precision) - plot lies within 2 or
		more pixels of all the same spectral class.
		Class 2 - plots lie within 2 or more pixels of
		clusters all of the same spectral class reclass
		group or nearest adjacent group on the spectral
		class ordinations.
		class 3 - as above, but 6/8 of the pixels
		surrounding a plot are the same as the central pixel
		Class A - Plots not monting the above criteria
CDUID	٨2	Sportral Class Group Sportral Class
22410	Λ <u>2</u>	Spectral class droup spectral class.
DIXQ	Δ1	Number of the 8 perimeter pixels that were the same
r i xo	ΛI	as the center (* for 6/8 of nerimeter pixels the
		same as center).
PIXSTR	A1	* for 6/8 of perimeter pixels the same as the
		center.
AGREE	A1	GIS-mapping pixel agreement precision:

GISQUAD PRECFLD	A2 A1	A - G - X - GIS Fiel Clas by 4 same Clas spec Clas Clas	Agrees. Group agreement. Non agreement. Unsure of agreement. quadrant, NE, NW, SE, SW. d or mapped pixel precision. s 1 (greatest precision - Plot is surrounded or more spectral classes, all the s 2 - Plot is surrounded by 3/4 of the same tral class. s 3 - Plot is surrounded by a mix of pixels. s 4 - Plot is surrounded by a 50/50 mix of two tral classes
DIVCUUS	٨٥	Spec	un of nivola in cluston
PIACLUS	A 3 A 1		amation point cignifying more pixels were
EXC	AI	EXCI	and but not recorded
P15-1	٨3	рлез	- most common spectral class
P/5_2	A3	D/5	- 2nd most common spectral class
P/5_3	A3	D/5	- 3rd most common spectral class
P45-4	Δ3	P45	- Ath most common spectral class
P46-1	Δ2	P46	- most common spectral class
P46-2	Α2	P46	- 2nd most common spectral class
P46-3	A2	P46	- 3rd most common spectral class.
P46-4	A2	P46	- 4th most common spectral class.
Description	of th	e ori	iginal ASCII data:
FIELD	Fmt	Co 1	Description
PLOTNO	A5	01	Plot no.
QUAD	A3	07	Quad label.
PRECGIS	A1	11	Class, the degree of precision in determining spectral class no. from GIS.
			Class 1 (highest precision) - plot lies within 2 or more pixels of all the same spectral class.
			Class 2 - plots lie within 2 or more pixels of
			clusters all of the same spectral class reclass
			group or nearest adjacent group on the spectral
			class ordinations.
			Class 3 - as above, but 6/8 of the pixels
			surrounding a plot are the same as the central
			pixel.
			Class 4 - Plots not meeting the above criteria.
GROUP	A2	13	Spectral Class Group Spectral Class.
CLASS	A3	16	Spectral class.
PIX8	Λ1	20	Number of the 8 perimeter pixels that were the same
	A1		
	A1		as the center (* for 6/8 of perimeter pixels the
DIVOTO	A I	0.0	as the center (* for 6/8 of perimeter pixels the same as center).
PIXSTR	A1	22	as the center (* for 6/8 of perimeter pixels the same as center). * for 6/8 of perimeter pixels the same as the
PIXSTR	A1 A1	22	as the center (* for 6/8 of perimeter pixels the same as center). * for 6/8 of perimeter pixels the same as the center.

			G – Group agreement. X – Non agreement.
			U - Unsure of agreement.
GISQUAD	A2	31	GIS quadrant, NE, NW, SE, SW.
PRECFLD	Α1	34	Field or mapped pixel precision.
			Class 1 (greatest precision – Plot is surrounded by 4 or more spectral classes, all the
			same. Class 2 - Plot is surrounded by 3/4 of the same spectral class
			Class 3 - Plot is surrounded by a mix of pixels. Class 4 - Plot is surrounded by a 50/50 mix of two
			spectral classes.
AREA	A3	36	Number of pixels in cluster. (Field formerly named PIXCLUS).
EXC	A1	40	Exclamation point signifying more pixels were present, but not recorded.
P45-1	A3	42	P45 - most common spectral class.
P45-2	A3	46	P45 - 2nd most common spectral class.
P45-3	A3	50	P45 - 3rd most common spectral class.
P45-4	A3	54	P45 – 4th most common spectral class.
P46-1	A2	60	P46 - most common spectral class.
P46-2	A2	63	P46 - 2nd most common spectral class.
P46-3	A2	66	P46 - 3rd most common spectral class.
P46-4	A2	69	P46 - 4th most common spectral class.
Description	n of d	ata f	or 3789 plots in the drawer <allplots>:</allplots>
Generating	the G	RZ sp	ecies databases.
1. Combine	all q	rz pl	ots that have the guarter fields (NEALL, NWALL, SEALL,
SWALL.) Th [.]	is wil	1 hav	e all the plots the crew did plus some from other
			forests.
=> GRZQUAD	.LST.		
2. Flimport	t GRZQ	UAD1.	FLI => GRZQUAD1.DB.
3. Sort th	is by	large	nos. last, export as ASCII. => GRZQUAD2.RPT.
4. Pull out	t plot	s onl	y our crew did. Form the PLOT_ID into an alphanumeric
4		7	field
4 charac	CTERS	long,	WITH LEADING ZEROS.
5. Flimpori	t GRZQ	UADZ.	FLI => GRZQUADZ.DB.
(R)egen and	d (U)n	derst	ory classes (this last step was not properly implemented
the first t	four s	teps,	and was done by another post-processing routine). Form
file GRZSP:	IN.DB.		
GRIZ.ALL is Griz Crew.	sa su	bset	of the EXTG.ALL database with only plots by the
COORD.DB: -	THE DA	TABAS	E COORD.DB WAS MADE FROM
	_ / (\DAT\ECO\REP\DSK\RERUN\REFIN.TAG.

THE COMPOSITE PLOT NUMBERS 6745, 6746, AND 6757 WERE ALL CHANGED TO 5700'S. TWO ONES IN COLUMN 16 WERE DELETED AFTER COMP PLOTS 5371 AND 5381. AFTER FLIMPORTING THIS INTO COORD.DB IT WAS QUERIED AGAINST ORDINATE.DB AND GRZLOC.DB TO PRODUCE MATRIX.DB. THE FINAL OUTPUT NEEDS TO BE CHECKED FOR CONSISTENCY. GRZSUM1: 1422 PLOTS FROM GRIZ EXTG.ALL DATA PREPARED BY PETER MORRISON GRZLOC.DB: The field SPEC is filled with the spectral class for the 1234 plots that had spectral class matching GIS and field or map methods (A or G in the ALLPLOTS.AGR database. REJECT.DB ERRORS, SOME NOTED BELOW, ARE STORED BY PLOTNUM IN A TABLE CALLED REJECT. These are changed to Zip plots in EXTG. PLOTNUM PLOT NUMBER CODE 3 LETTER ABBREV FOR DESELECTING - X MEANS DISREGARD PROBLEM DESCRIPTION OF THE PROBLEM GRZ.EFX DATA: PLOT 1206 SHOULD BE DELETED, THE TREE VALUES WERE NOT RECORDED. AFTER FIXING GRZ.EFX SO THAT NO FIXED VARIABLE LINES WERE PRESENT. ASTERISKS WERE DELETED AND THE FIRST COLUMN OF THE PLOT NO. WAS DELETED, THE PROGRAM MAKEDB.BAS WAS USED TO CHANGE THE INPUT FILE GRZ.OUT TO GRZ.OU2. THIS WAS FLIMPORTED INTO A PARADOX DATABASE. THE TWO ORIGINAL FILES GRZ.OUT AND GRZ.OU2 WERE ZIPPED IN THE CREATE DIRECTORY. **OTHER CHANGES:** GRIZ PLOT 578 IS ELEV 5400 FT DELETE PLOT 1813, 1816, TSME PROBABLY NOT THERE OTHER PROBLEMS with plots keyed to "ABLA2", that were at elevations below 4000: PSME-25, PIEN-5 1517 PSME-55, ACCI-10, PAMY-25, ABLA-0, PIEN-2 2657 6239 PSME-15, ABLA-45, PIEN-10 The first two of the above plots were miskeyed to ABLA because PIEN+ABLA is used in the key. Although the third plot is correctly keyed, it still suffers from some of the same problem. 2372 ABLA-5, PICO-30, VASC-10 Because of the low elevation, would fit better with PICO, may be fixed with key order. PSME-50, PAMY-50, ABLA-4 2393 This plot should not be listed as ABLA. Has riparian character. Probably can key by changing key order or listing proximity to riparian. 1254 ABLAunderstory - 70, CHNO - PRESENT 1670 CHNO CHUTE

GRZVIOL.ME: DESCRIPTION OF DUPLICATE PLOT-GENUS FIELDS. ALL OF THE RECORDS IN THE FILE GRZVIOL.DB ARE DUPLICATED PLOT-GENUS FIELDS, WITH THE COVER VALUES APPROXIMATELY THE SAME. THE GENERA WERE NUMBERED 2, 3, 4, ... AND ADDED BACK TO GRZSPP.DB, THF REST WERE LEFT ALONE. MATRIX.DB is made from COORD, GRZLOC and ORDINATE as explained in COORD.DAT. The following plots were duplicated in MATRIX: 953, 1001, 1019, 1416, 1492, 1600, 1605, 1607. The duplicates were duplicated even though they were actually used twice in ordination procedures. However, it turned out that all these records were from the same composite sample. RAIN-UTM: 3324 PLOTS WITH PRECIP AND UTM DATA FROM GRIZ STUDY. PREPARED BY P. MORRISON Description of the Paradox tables in the Ordinate drawer: PLOT ID A5* 5 nos. prefixed / 0's NAME A2 Initials of observer ΥR Α1 1989-1990. last numeral ΤΥΡΕ (S)tandard recon Α1 (Z)ip (M)odified Zip - made into regular - 3000'S SERIES (C)learcut ORD1 Α5 P86 Pasayten 1986 G88 1988 89A 1989 (part) 90B 1989 (part) & 1990 90B/2 plots in the same set twice ORD2 A7 LTE lower timberline eastside UTE upper timberline eastside MCE middle elevation eastside MCW middle elevation westside UCW upper elevations westside MIS miscellaneous Note: two designations separated by a / mean they were included in both sets. ALP xeric alpine SET Α5 (FINAL SET 3/11/92) ALS ALSI These came from FIN.MCG BUN bunchgrass steppe CUL cultivated & orchard CUT clearcut ΗIΜ high elevation meadows and parks OUT outliers POB POBI RUS RUSP/ATFI TSH TSHE TSA TSME-CHNO WET wetlands EAA eastside mix, dry and low

eastside mix, high and cold EAB RIC ALIN-BEOC riparian RIX These designations will have a '-A', '-B', etc. to signify which TWINSPAN subgroup the composite samples were grouped from. by the Mean-Constancy program. Plots that were changed just before the final run FINZZZ just have the final group they would have been in in FINZZZ, because they got lost, in the shuffle. Other plots in the OUT, CUT or CUL categories are marked with an OUT in the name. COMP composite plot number, final set 3/11/92. Α4 Note: errors: Plot 1531 was accidentally included in both BUN-C as 5331 by mistake as well as in CUL-A, where it belonged as 5518. This meant that plot numbers of 114 plots in BUN between 2/11/92 and 3/11/92 are incorrect. Composite sample 5331 was not seriously affected as there were 3 plots in addition to plot 1531. They were 1537, 1538, and 1539.) This happened between 2/5/92 and 2/11/92. Plot 612 was accidentally left in TSH-G composite sample 6277 where it had just been moved from on very small characters. It was also put into WET-E composite plot 6457 where it belonged. It shouldn't effect sample 6277 very much since 3 other plots were put in with it. WET 1039 WET 1122 POB 1463 BUN 1536 WET 1677 These plots were left out of the final composite plotting. Somehow they just got dropped. The COMP field was left blank in the database and the set field just contains the set name. This means that out of 1433 plots, 1389 were made into composite plots, 39 were outliers and these 5 were accidentally skipped. The reason the counts stabilized at 1432 was because duplicate plot 612 in TSH was cancelled out by missing plot 1612, and duplicate plot 1531 in BUN was cancelled out by missing plot 1536. Four other missed plots cancelled out three other duplicated plots, consistently adding up to one less than it should have been.