

EOCODE \_\_\_\_\_ \* \_\_\_\_\_ \*NM

PLOT ID 98MM001  
MAP UNIT \_\_\_\_\_ TRAN NO \_\_\_\_\_

SURVEYOR Michele Merola MO 8 DAY 17 YR 92  
COMMUNITY ID Pinyon-jumper PIED/BOGR

FIELD NO. \_\_\_\_\_  
PLOTDIM (M) L or R \_\_\_\_\_ W \_\_\_\_\_

SITE NAME Comanche Canyon RNA  
SURVEY SITE Comanche Canyon-Ridge top

SITE CODE: S.USNMHP\* \_\_\_\_\_  
COUNTY Rio Arriba \_\_\_\_\_

QUADNAME Canyon SE QUADCODE 3610633 MARGNUM 1 DOTNUM \_\_\_\_\_  
TOWNRANGE T 25N R 5E SECTION 36 TRSCOM SE 1/4 unsurveyed

DIRECTIONS see attached

UTM: Northing 4023210 Easting 377960 ZONE \_\_\_\_\_ PRECISION M  
CORD: Lat \_\_\_\_\_ Long \_\_\_\_\_  
GPS: WPT's \_\_\_\_\_ 3D \_\_\_\_\_ 2D \_\_\_\_\_ TIME \_\_\_\_\_

AERIAL PHOTO NO. USDA-F 613020 1290-76 PLOT PHOTOS \_\_\_\_\_

SUMMARY VEGETATION DESCRIPTION, LANDSCAPE FEATURES AND ADJACENT COMMUNITIES:

Old-growth pinyon-jumper woodland on mesa top. Understorey mostly grasses, annuals, cacti, no shrubs. Soil is fine, sandy, level, with small rocks. Large quantities of dead down wood. Vegetation grades into Pinyon-Gambel's oak on eastern, northern slopes of ridge. Pinyon-Mountain Mahogany to the west and rocky cliffs of pinyon, juniper, saltgrass, chamisa to the south.

ELEV 7700 PLOT SLOPE POSITION RWR CODE: \_\_\_\_\_  
ASPECT 0 VERTICAL SLOPE SHAPE S CODE: \_\_\_\_\_  
SLOPE 0 % PARENT MATERIAL \_\_\_\_\_ CODE: \_\_\_\_\_  
DL C LAND FORM SCPL CODE: \_\_\_\_\_

IFSLOPE \_\_\_\_\_ IFVALLEY 200' ANGLE HORZ: N 28° E 24° S 4° W 18°  
SOIL RPT \_\_\_\_\_ SOIL UNIT \_\_\_\_\_

EROSION POTENTIAL stable CODE: SA EROSION TYPE none CODE: NO

DISTURBANCE HISTORY (Type, intensity, frequency, season)  
1st time 1880's; no collecting of wood or other disturbances

ANIMAL USE EVIDENCE elk CODE: 1

OCC SIZE B Comment \_\_\_\_\_  
CC CONDITION A Comment old-growth; undisturbed for 100+ years  
OCC VIABILITY bt Comment dead down wood has high fire potential  
OCC DEFENSIB A Comment remote, isolated; no access road  
EO RANK A Comment \_\_\_\_\_

ADDITIONAL INFO AND COMMENTS: \_\_\_\_\_

PLOTYPE (forms) 2,3 PURPOSE (study) RNA analysis CODE: J  
SURVEY (design) ANG CODE: \_\_\_\_\_

COMMUNITY OCCURRENCE SURVEY  
NMNHP JAN 1991

FORM 3 -- VEGETATION--Releve Plot

PLOT ID 92 MM001

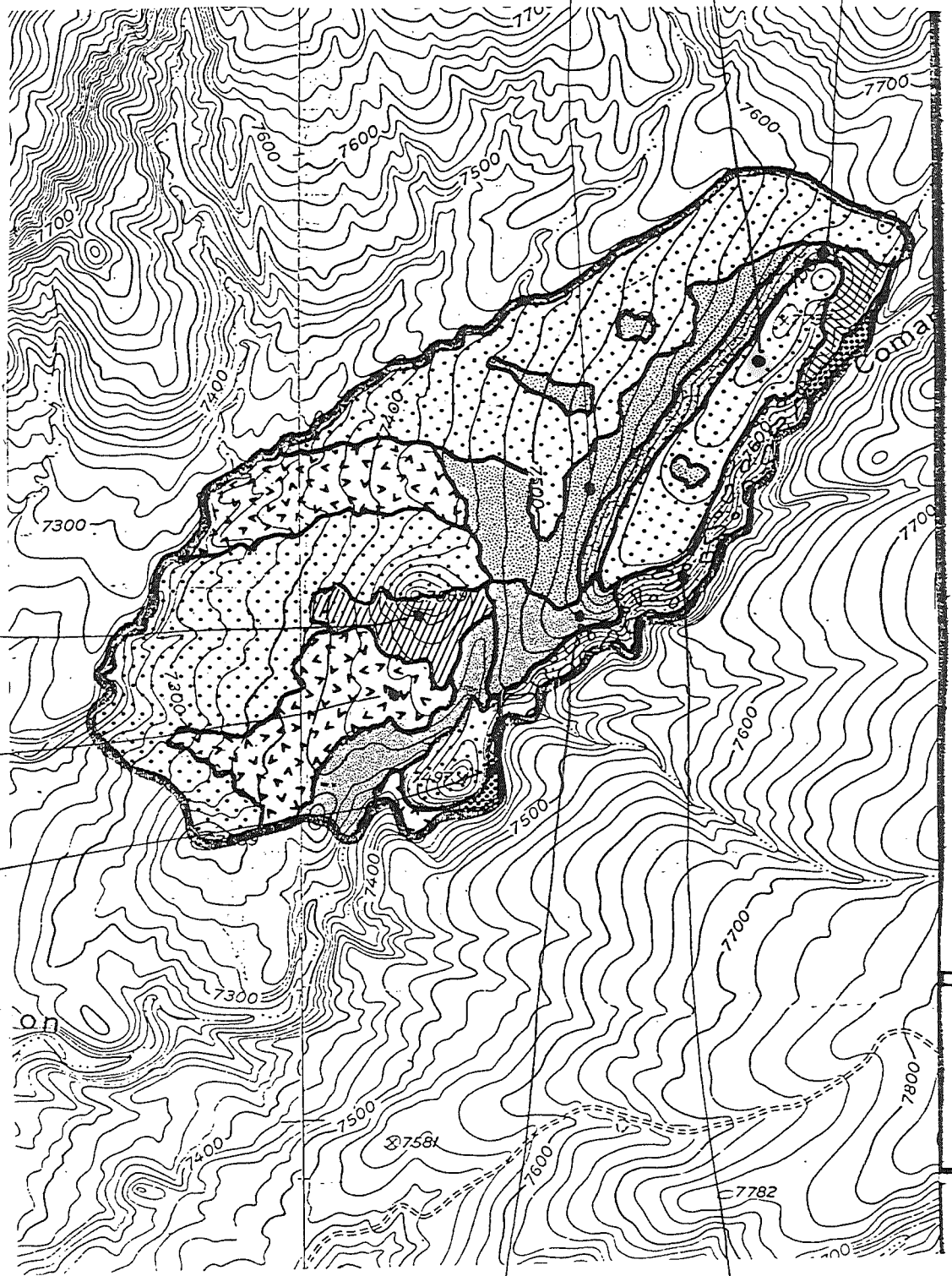
Number of Vegetation Layers \_\_\_\_\_ Number of Species 18 P.A. Pinyon-juniper

TREES Total Cov <u>45%</u> Max Ht <u>25'</u>			FORBS Total Cover <u>10%</u> Max Ht <u>25'</u>		
Code	CC		Code	CC	
T1		<u>Pinus edulis</u>	F1		<u>Erigeron jamesii</u>
T2		<u>Juniperus monosperma</u>	F2		<u>Hymenoxys richardsonii</u>
T3		<u>Juniperus osteosperma</u>	F3		<u>Rhus glabra</u>
T4		<u>Quercus gambelii</u>	F4		<u>Lesquerella sp.</u>
T5			F5		<u>Erigeron capitatum</u>
T6			F6		<u>Erigeron sp.</u>
T7			F7		<u>Bahia dissecta</u>
T8			F8		
T9			F9		
T10			F10		
SHRUBS Total Cov <u>1%</u> Max Ht <u>8"</u>			F11		
Code	CC		F12		
S1		<u>Yucca baccata</u>	F13		
S2		<u>Gutierrezia serotina</u>	F14		
S3			F15		
S4			F16		
S5			F17		
S6			F18		
S7			F19		
S8			F20		
S9			F21		
S10			F22		
S11			F23		
S12			F24		
S13			F25		
S14			F26		
S15			F27		
GRAMINOIDS Tot Cov <u>8%</u> Max Ht <u>10"</u>			F28		
Code	CC		F29		
G1		<u>Aristida longiseta</u>	F30		
G2		<u>Koeleria cristata</u>			
G3		<u>Carex rostrata</u>			
G4		<u>Hilaria trissis</u>			
G5		<u>Sitania distrix</u>			
G6					
G7					
G8					
G9					
G10					
G11					
G12					
G13					
G14					
G15					

FERN Total Cov \_\_\_\_\_ Max Ht \_\_\_\_\_  
BRYOPHYTE/LICHEN Total Cov \_\_\_\_\_ Max Ht \_\_\_\_\_

GROUND COVER: Soil (<1/16") 5 Gravel (1/16-3") 10 Rock (>3") 10  
Litter 20 Wood (>1/4") 10 Basal Veg 15 Moss 30 =100%

Este -  
I don't have  
the plot numbers  
written on this,  
but it should  
be pretty easy  
to match them  
up by habitat  
type



PIED/ARTR

PIED/BOGR  
qzmm001

PIED/QUGA

PIED/SPARSE

SAGEBRUSH

Meadow  
(Psilotrophe, etc)

PIED/CEMO  
#27

SCARP  
WOODLAND

EOCODE \_\_\_\_\_ \* \_\_\_\_\_ \*NM

PLOT ID 92MM002  
MAP UNIT \_\_\_\_\_ TRAN NO \_\_\_\_\_

SURVEYOR Michelle Merola MO 8 DAY 17 YR 92  
COMMUNITY ID Pinyon-Mountain Mahogany

FIELD NO. \_\_\_\_\_  
PLOTDIM (M) L or R \_\_\_\_\_ W \_\_\_\_\_

SITE NAME Comanche Canyon RNA  
SURVEY SITE Comanche Canyon - West slope

SITE CODE: S.USNMHP\*  
COUNTY Rio Arriba

QUADNAME Comilon SE QUADCODE 3610633 MARGNUM 2 DOTNUM \_\_\_\_\_  
TOWNRANGE T8N R3E SECTION 30 TRSCOM SW 1/4 unsurveyed

DIRECTIONS see attached From El Rito take FS137 to FS223. Go S on FS223 1.5 mi; walk 1.3 mi NW down into Comanche canyon

UTM: Northing 4023090 Easting 377390 ZONE \_\_\_\_\_ PRECISION M  
CORD: Lat \_\_\_\_\_ Long \_\_\_\_\_  
GPS: WPT's \_\_\_\_\_ 3D \_\_\_\_\_ 2D \_\_\_\_\_ TIME \_\_\_\_\_

AERIAL PHOTO NO. 5-25-90 USDA-F 013030 1290-76 PLOT PHOTOS \_\_\_\_\_

SUMMARY VEGETATION DESCRIPTION, LANDSCAPE FEATURES AND ADJACENT COMMUNITIES:  
Slope of red shale, alternating between fine soil & large areas of rock. Sparse vegetation: pinyon, juniper, Mountain Mahogany and hardly any other vegetation at all. Drops off to riparian zone along drainage to south and to pinyon-big sage towards bottom of slope. Abrupt transition to pinyon-juniper at top of slope.

ELEV 7530' PLOT SLOPE POSITION midslope CODE: SLMS  
ASPECT 190° VERTICAL SLOPE SHAPE rounded CODE: R  
SLOPE 360% PARENT MATERIAL red shale CODE: RESH  
DL C LAND FORM mesa CODE: CFPD

IFSLOPE 250' IFVALLEY \_\_\_\_\_ ANGLE HORZ: N 16° E 10° S 8° W 10°  
SOIL RPT \_\_\_\_\_ SOIL UNIT \_\_\_\_\_

SOIL TAXON \_\_\_\_\_  
EROSION POTENTIAL unstable CODE: UP EROSION TYPE gully CODE: GE  
DISTURBANCE HISTORY (Type, intensity, frequency, season) \_\_\_\_\_

ANIMAL USE EVIDENCE \_\_\_\_\_ CODE: \_\_\_\_\_

OCC SIZE A Comment \_\_\_\_\_  
CC CONDITION A Comment undisturbed; no grazing  
OCC VIABILITY A Comment \_\_\_\_\_  
OCC DEFENSIB A Comment \_\_\_\_\_  
EO RANK K Comment \_\_\_\_\_

ADDITIONAL INFO AND COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLOTTYPE (forms) 2,3 PURPOSE (study) BNA analysis CODE: J  
SURVEY (design) ADG CODE: \_\_\_\_\_

COMMUNITY OCCURRENCE SURVEY  
NMNHP JAN 1991

FORM 3 -- VEGETATION--Releve Plot

PLOT ID 92MM002

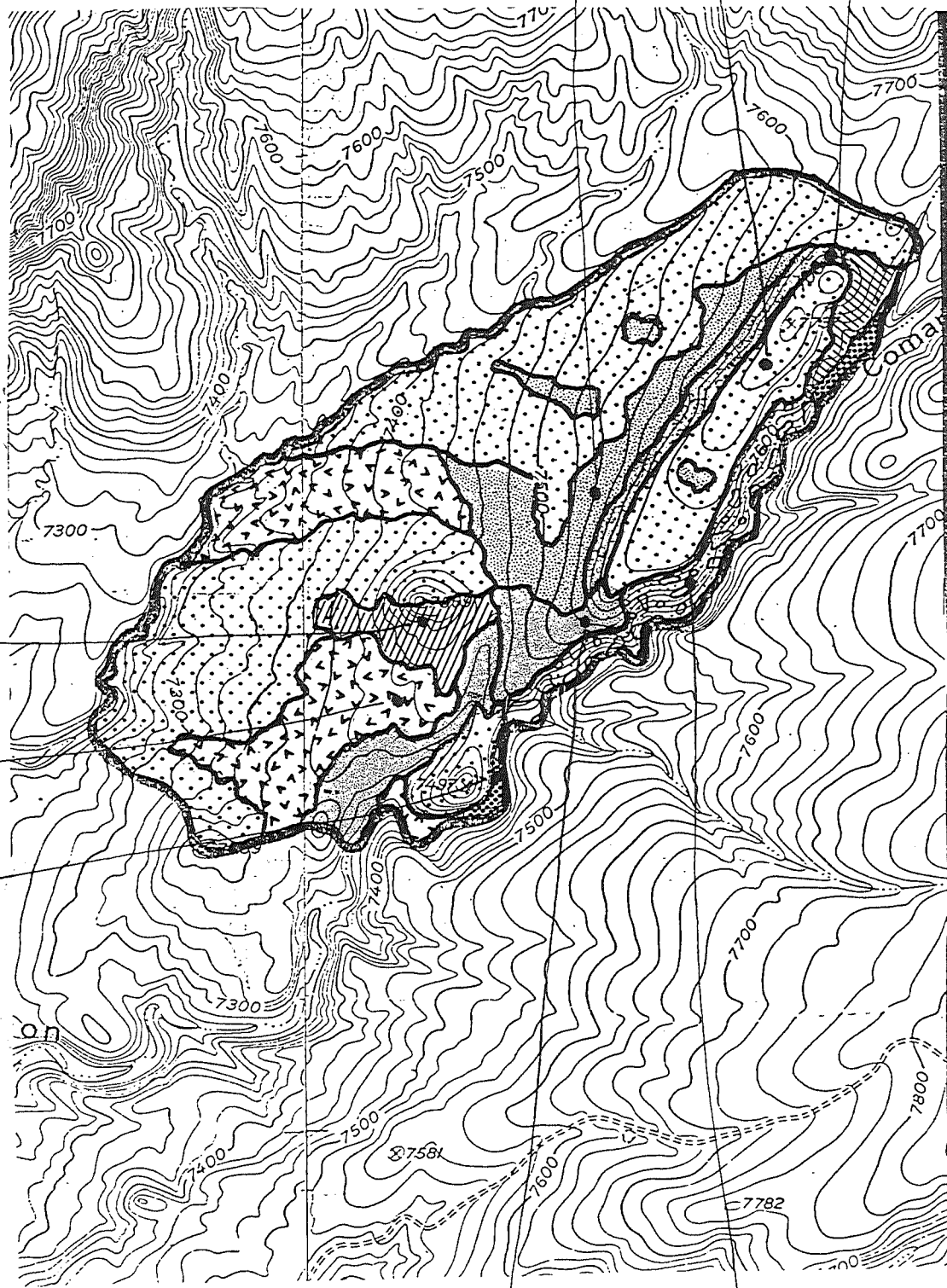
Number of Vegetation Layers      Number of Species 6 P.A. Pinyon-Mountain Mahogany

TREES Total Cov <u>20%</u> Max Ht <u>10'</u>			Code	CC	FORBS Total Cover <u>2%</u> Max Ht <u>8"</u>			Code	CC
T1	<u>Pinus edulis</u>			<u>3</u>	F1	<u>Encyonema imosii</u>			<u>1</u>
T2	<u>Juniperus osteosperma</u>			<u>1</u>	F2	<u>Astragalus sp.</u>			<u>1</u>
T3	<u>Cercocarpus Montanus</u>			<u>3</u>	F3	<u>Lesquerella sp.</u>			<u>1</u>
T4					F4				
T5					F5				
T6					F6				
T7					F7				
T8					F8				
T9					F9				
T10					F10				
SHRUBS Total Cov <u>    </u> Max Ht <u>    </u>					F11				
S1					F12				
S2					F13				
S3					F14				
S4					F15				
S5					F16				
S6					F17				
S7					F18				
S8					F19				
S9					F20				
S10					F21				
S11					F22				
S12					F23				
S13					F24				
S14					F25				
S15					F26				
GRAMINOIDS Tot Cov <u>1%</u> MaxHt <u>7"</u>					F27				
G1	<u>Bouteloua curtipendula</u>			<u>1</u>	F28				
G2					F29				
G3					F30				
G4									
G5									
G6									
G7									
G8									
G9									
G10									
G11									
G12									
G13									
G14									
G15									

FERN Total Cov      Max Ht       
BRYOPHYTE/LICHEN Total Cov      Max Ht     

GROUND COVER: Soil (<1/16") 40 Gravel (1/16-3") 10 Rock (>3") 40  
Litter      Wood (>1/4") 5 Basal Veg 5 Moss      =100%

Este -  
I don't have  
the plot numbers  
written on this,  
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be pretty easy  
to match them  
up by habitat  
type



PIED/ARTR  
PIED/BOGR  
PIED/QUGA

PIED/SPARSE

SAGEBRUSH

Meadow  
(Psilotrophe, etc)

PIED/CEMO  
#2792MM002

SCARP  
WOODLAND

EOCODE \_\_\_\_\_ \* \_\_\_\_\_ \*NM

PLOT ID 92MM003  
MAP UNIT \_\_\_\_\_ TRAN NO \_\_\_\_\_

SURVEYOR Michele Merola MO 8 DAY 17 YR 92 FIELD NO. \_\_\_\_\_  
COMMUNITY ID Pinon-jumper (sage woodland) PLOTDIM (M) L or R \_\_\_\_\_ W \_\_\_\_\_

SITE NAME Comanche Canyon RNA SITE CODE: S.USNMHP\*  
SURVEY SITE Comanche Canyon - South cliffs COUNTY Rio Arriba

QUADNAME Camilou SE QUADCODE 3610633 MARGNUM 3 DOTNUM \_\_\_\_\_  
TOWNRANGE T2N R5E SECTION 30 TRSCOM SW 1/4 unsurveyed

DIRECTIONS see attached From El Rito take FS 137 to FS23,  
Go S on FS23 1.5 mi; walk 1.3 mi NW down into  
Comanche Canyon

UTM: Northing 4023300 Easting 377690 ZONE \_\_\_\_\_ PRECISION M  
CORD: Lat \_\_\_\_\_ Long \_\_\_\_\_  
GPS: WPT's \_\_\_\_\_ 3D \_\_\_\_\_ 2D \_\_\_\_\_ TIME \_\_\_\_\_

AERIAL PHOTO NO. 5-25-90  
USTA-F 615020 1290-76 PLOT PHOTOS \_\_\_\_\_

SUMMARY VEGETATION DESCRIPTION, LANDSCAPE FEATURES AND ADJACENT COMMUNITIES:  
steep rocky sandstone cliffs on southern edge  
A main ridge. Vegetation sparse - PINON, a few  
penicillata and very few shrubs forbs or grasses.  
Adjacent to Pinon-jumper on ridge top and  
riparian community in drainage below.

ELEV 7600' PLOT SLOPE POSITION upper slope CODE: SUS  
ASPECT 125° VERTICAL SLOPE SHAPE rounded CODE: B  
SLOPE 100% PARENT MATERIAL Sandstone CODE: SAND  
DL C LAND FORM \_\_\_\_\_ CODE: \_\_\_\_\_ \*

IFSLOPE 30' IFVALLEY \_\_\_\_\_ ANGLE HORZ: N 100° E 4° S 6° W 30°  
SOIL RPT \_\_\_\_\_ SOIL UNIT \_\_\_\_\_

SOIL TAXON \_\_\_\_\_ CODE: \_\_\_\_\_  
EROSION POTENTIAL stable CODE: SA EROSION TYPE wind CODE: WE  
DISTURBANCE HISTORY (Type, intensity, frequency, season) \_\_\_\_\_

ANIMAL USE EVIDENCE \_\_\_\_\_ CODE: \_\_\_\_\_

OCC SIZE C Comment small  
CC CONDITION B Comment \_\_\_\_\_  
OCC VIABILITY B Comment \_\_\_\_\_  
OCC DEFENSIB A Comment steep, inaccessible  
EO RANK B Comment \_\_\_\_\_

ADDITIONAL INFO AND COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLOTYPE (forms) 2,3 PURPOSE (study) RNA analysis CODE: J  
SURVEY (design) AVA CODE: \_\_\_\_\_

COMMUNITY OCCURRENCE SURVEY  
NMNHP JAN 1991

FORM 3 -- VEGETATION--Releve Plot

PLOT ID 92MM003

Number of Vegetation Layers      Number of Species 6 P.A. Rockland - J

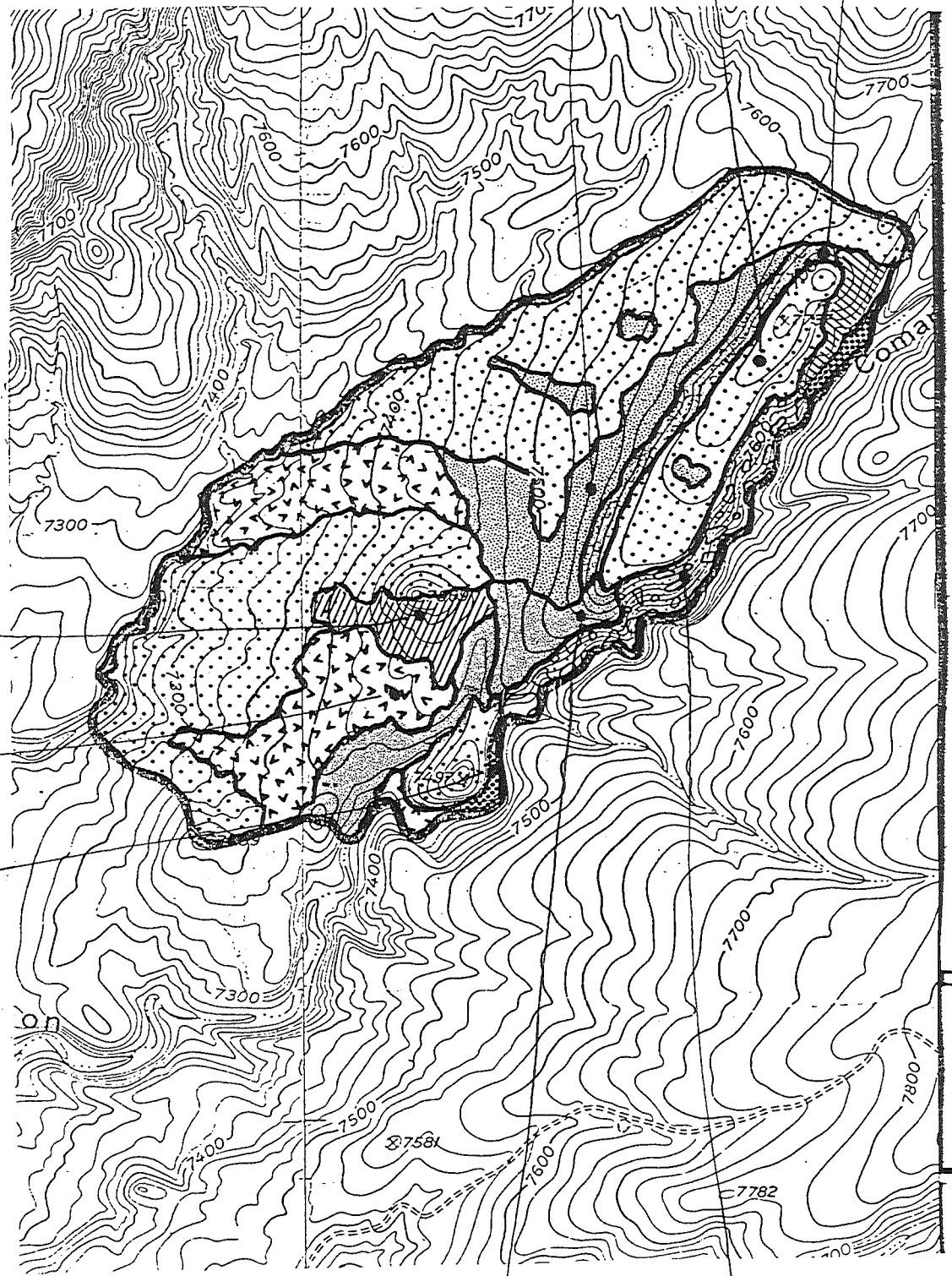
TREES Total Cov <u>15%</u> Max Ht <u>15'</u>			Code	CC	FORBS Total Cover <u>2%</u> Max Ht <u>12"</u>			Code	CC
T1	<u>Pinus edulis</u>			<u>10</u>	F1	<u>Hymenoxys richardsonii</u>		<u>3</u>	
T2	<u>Juniperus osteosperma</u>			<u>3</u>	F2				
T3					F3				
T4					F4				
T5					F5				
T6					F6				
T7					F7				
T8					F8				
T9					F9				
T10					F10				
SHRUBS Total Cov <u>5%</u> Max Ht <u>3.5'</u>			Code	CC	F11				
S1	<u>Chrysothamnus</u>			<u>3</u>	F12				
S2	<u>truncosus</u>				F13				
S3	<u>Artemisia frigida</u>			<u>1</u>	F14				
S4					F15				
S5					F16				
S6					F17				
S7					F18				
S8					F19				
S9					F20				
S10					F21				
S11					F22				
S12					F23				
S13					F24				
S14					F25				
S15					F26				
GRAMINOIDS Tot Cov <u>2%</u> MaxHt <u>10"</u>			Code	CC	F27				
G1	<u>Phloxipogon hymenoides</u>			<u>1</u>	F28				
G2	<u>Bouteloua gracilis</u>			<u>3</u>	F29				
G3					F30				
G4									
G5									
G6									
G7									
G8									
G9									
G10									
G11									
G12									
G13									
G14									
G15									

FERN Total Cov      Max Ht       
BRYOPHYTE/LICHEN Total Cov      Max Ht     

GROUND COVER: Soil (<1/16") 5 Gravel (1/16-3")      Rock (>3") 90  
Litter      Wood (>1/4")      Basal Veg 5 Moss      =100%



Este -  
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be pretty easy  
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up by habitat  
type



PIED/ARTR

PIED/BOGR  
92mm001

PIED/QUGA

PIED/SPARSE

SAGEBRUSH

Meadow  
(Psilotrophe, etc)

PIED/CEMO  
#27

SCARP  
WOODLAND  
92mm003

EOCODE \_\_\_\_\_ \* \_\_\_\_\_ \*NM

PLOT ID \_\_\_\_\_

MAP UNIT \_\_\_\_\_ TRAN NO \_\_\_\_\_

SURVEYOR Michelle Merola MO 8 DAY 17 YR 92

FIELD NO. 92MM004

COMMUNITY ID grama-galleta BOUGEA serena

PLOTDIM (M) L or R \_\_\_\_\_ W \_\_\_\_\_

SITE NAME Comanche Canyon RNA

SITE CODE: S.USNMHP\*

SURVEY SITE Comanche Canyon - West meadow

COUNTY Rio Arriba

QUADNAME Camilon SE QUADCODE 3610633 MARGNUM 4 DOTNUM \_\_\_\_\_

TOWNRANGE T24N R5E SECTION 8 TRSCOM NW 1/4 unsurveyed

DIRECTIONS see attached From El Rito take FS 137 to FS 23,  
Go S on FS 23 1.5 mi; Walk 1.3 mi NW down into  
Comanche Canyon.

UTM: Northing 4022650 Easting 377140 ZONE \_\_\_\_\_ PRECISION M

CORD: Lat \_\_\_\_\_ Long \_\_\_\_\_

GPS: WPT's \_\_\_\_\_ 3D \_\_\_\_\_ 2D \_\_\_\_\_ TIME \_\_\_\_\_

AERIAL PHOTO NO. 5-25-90 USA-F 613080 1290-76 PLOT PHOTOS \_\_\_\_\_

SUMMARY VEGETATION DESCRIPTION, LANDSCAPE FEATURES AND ADJACENT COMMUNITIES:

Meadow adjacent to drainage on south, sloping  
up to Pinyon-mountain mahogany to north  
many grasses, Psilopogon taetina very common, some  
big shrub Moringa in from (southwest) edge. Trees  
serotinus meadow (near drainage) are very tall -  
e.g. pinyons at 50'.

ELEV 7400 PLOT SLOPE POSITION moderate valley flood plain CODE: MVFP

ASPECT 110° VERTICAL SLOPE SHAPE straight CODE: S

SLOPE 16° PARENT MATERIAL silty alluvium CODE: 21AL

DL H LAND FORM flood plain CODE: ACFP

IFSLOPE 5' IFVALLEY \_\_\_\_\_ ANGLE HORZ: N 16° E 22° S 10° W 20°

SOIL RPT \_\_\_\_\_ SOIL UNIT \_\_\_\_\_

SOIL TAXON \_\_\_\_\_ CODE: \_\_\_\_\_

EROSION POTENTIAL stable CODE: SA EROSION TYPE none CODE: NO

DISTURBANCE HISTORY (Type, intensity, frequency, season) some evidence  
of grazing by cattle - low intensity

ANIMAL USE EVIDENCE cows; pocket gophers CODE: 9, G

OCC SIZE C Comment very small

CC CONDITION b- Comment subject to grazing

OCC VIABILITY B Comment \_\_\_\_\_

OCC DEFENSIB C Comment easily accessible, water draws livestock

EO RANK B- Comment \_\_\_\_\_

ADDITIONAL INFO AND COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLOTTYPE (forms) 2, 3 PURPOSE (study) RNA analysis CODE: J  
SURVEY (design) AN6 CODE: \_\_\_\_\_

COMMUNITY OCCURRENCE SURVEY  
NMNHP JAN 1991

FORM 3 -- VEGETATION--Releve Plot

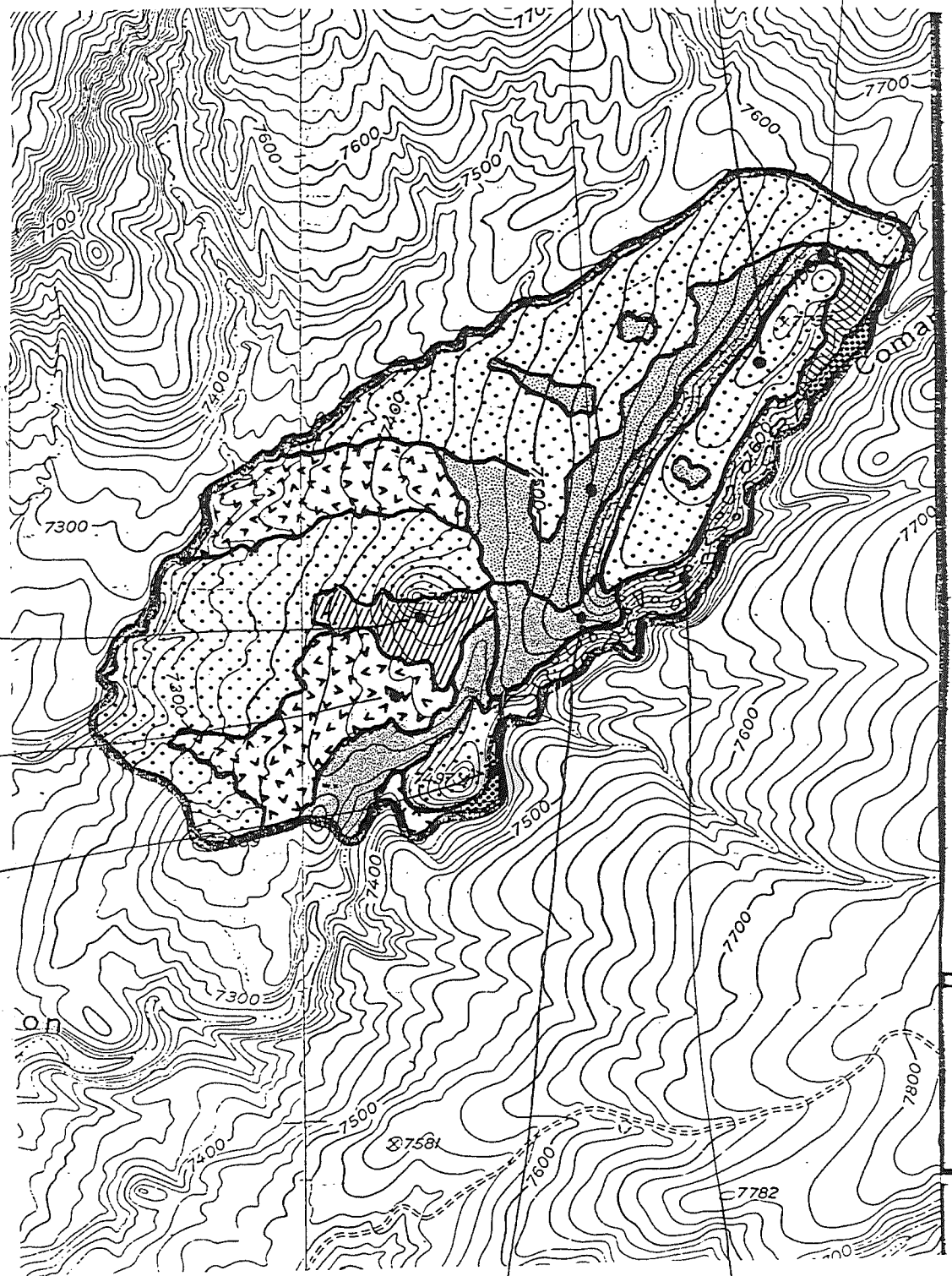
PLOT ID 02mm004

Number of Vegetation Layers      Number of Species 15 P.A. Meadow - grasses forbs

TREES				FORBS			
Total Cov	Max Ht	Code	CC	Total Cover	Max Ht	Code	CC
				F1	<u>Psilotrophe togetina</u>		<u>10</u>
				F2	<u>Lepidium montanum</u>		<u>3</u>
				F3	<u>Erigeron sp.</u>		<u>1</u>
				F4	<u>Sisymbrium linearefolium</u>		<u>3</u>
				F5	<u>Penstemon barbatus</u>		<u>1</u>
				F6	<u>Mammillaria sp</u>		<u>1</u>
				F7			
				F8			
				F9			
				F10			
				F11			
				F12			
				F13			
				F14			
				F15			
				F16			
				F17			
				F18			
				F19			
				F20			
				F21			
				F22			
				F23			
				F24			
				F25			
				F26			
				F27			
				F28			
				F29			
				F30			
SHRUBS Total Cov <u>4%</u> Max Ht <u>2.5'</u>							
S1	<u>Gutierrezia sarothrae</u>		<u>3</u>				
S2	<u>Artemisia tridentata</u>		<u>1</u>				
S3							
S4							
S5							
S6							
S7							
S8							
S9							
S10							
S11							
S12							
S13							
S14							
S15							
GRAMINOIDS Tot Cov <u>45%</u> Max Ht <u>2'</u>							
G1	<u>Bouteloua gracilis</u>		<u>10</u>				
G2	<u>Bouteloua curtipendula</u>		<u>10</u>				
G3	<u>Bromus ciliatus</u>		<u>3</u>				
G4	<u>Sitanion hystrix</u>		<u>3</u>				
G5	<u>Aristida longiseta</u>		<u>10</u>				
G6	<u>Carex rossii</u>		<u>3</u>				
G7	<u>Oryzopsis hymenoides</u>		<u>3</u>				
G8							
G9							
G10							
G11							
G12							
G13							
G14							
G15							
				FERN Total Cov <u>    </u> Max Ht <u>    </u>			
				BRYOPHYTE/LICHEN Total Cov <u>    </u> Max Ht <u>    </u>			

GROUND COVER: Soil (<1/16") 45 Gravel (1/16-3") 10 Rock (>3")       
Litter      Wood (>1/4")      Basal Veg 30 Moss 15 =100%

Este -  
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up by habitat  
type



PIED/ARTR  
PIED/BOGR  
92mm001  
PIED/QUGA

PIED/SPARSE

SAGEBRUSH

Meadow  
(Psilotrophe, etc)  
92mm004

PIED/CEMO  
#27

SCARP  
WOODLAND

EOCODE \_\_\_\_\_ \* \_\_\_\_\_ \*NM

PLOT ID 92MM005  
MAP UNIT \_\_\_\_\_ TRAN NO \_\_\_\_\_

SURVEYOR Michelle Merola MO 8 DAY 18 YR 92  
COMMUNITY ID Sagebrush-Pinyon

FIELD NO. \_\_\_\_\_  
PLOTDIM (M) L or R \_\_\_\_\_ W \_\_\_\_\_

SITE NAME Comanche Canyon RNA  
SURVEY SITE Comanche Canyon - SW sage flat

SITE CODE: S.USNMHP\*  
COUNTY Rio Arriba

QUADNAME Canilon SE QUADCODE 3610633 MARGNUM 5 DOTNUM \_\_\_\_\_  
TOWNRANGE T24N R5E SECTION 2 TRSCOM NE 1/4 unsurveyed

DIRECTIONS see attached From El Rito take FS 137 to FS 23.  
Go South on FS 23 1.5 miles. Walk 1.3 mi NW down into  
Comanche Canyon.

UTM: Northing 4023450 Easting 377440 ZONE \_\_\_\_\_ PRECISION M  
CORD: Lat \_\_\_\_\_ ' \_\_\_\_\_ " Long \_\_\_\_\_ ' \_\_\_\_\_ "  
GPS: WPT's \_\_\_\_\_ 3D \_\_\_\_\_ 2D \_\_\_\_\_ TIME \_\_\_\_\_

AERIAL PHOTO NO. USDA-F 45090 1990-76 PLOT PHOTOS \_\_\_\_\_

SUMMARY VEGETATION DESCRIPTION, LANDSCAPE FEATURES AND ADJACENT COMMUNITIES:  
flat, open sandy soils dominated by sagebrush with  
small pinyons beginning to invade. some grasses  
forks. Surrounded by pinyon-juniper or  
pinyon-mountain mahogany.

ELEV 7425' PLOT SLOPE POSITION upper slope alluv. fan CODE: AFUS  
ASPECT 250° VERTICAL SLOPE SHAPE straight CODE: S  
SLOPE 10% PARENT MATERIAL clayey alluvium CODE: CLAL  
DL S LAND FORM barada CODE: CFPD

IFSLOPE 300' IFVALLEY \_\_\_\_\_ ANGLE HORZ: N 180 E 50 S 80 W 180  
SOIL RPT \_\_\_\_\_ SOIL UNIT \_\_\_\_\_

SOIL TAXON \_\_\_\_\_  
EROSION POTENTIAL \_\_\_\_\_ CODE: UA EROSION TYPE \_\_\_\_\_ CODE: \_\_\_\_\_  
DISTURBANCE HISTORY (Type, intensity, frequency, season) \_\_\_\_\_

ANIMAL USE EVIDENCE \_\_\_\_\_ CODE: \_\_\_\_\_

OCC SIZE B Comment \_\_\_\_\_  
CC CONDITION b Comment not pure sage-pinyon invading  
OCC VIABILITY b Comment as above  
OCC DEFENSIB C Comment easily accessible by livestock w/out fence  
EO RANK B- Comment \_\_\_\_\_

ADDITIONAL INFO AND COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLOTTYPE (forms) 2,3 PURPOSE (study) RNA analysis CODE: J  
SURVEY (design) \_\_\_\_\_ CODE: ANCF

COMMUNITY OCCURRENCE SURVEY  
NMNHP JAN 1991

FORM 3 -- VEGETATION--Releve Plot

PLOT ID 92MM005

Number of Vegetation Layers \_\_\_\_\_ Number of Species 7

P.A. sagebrush-pinyon

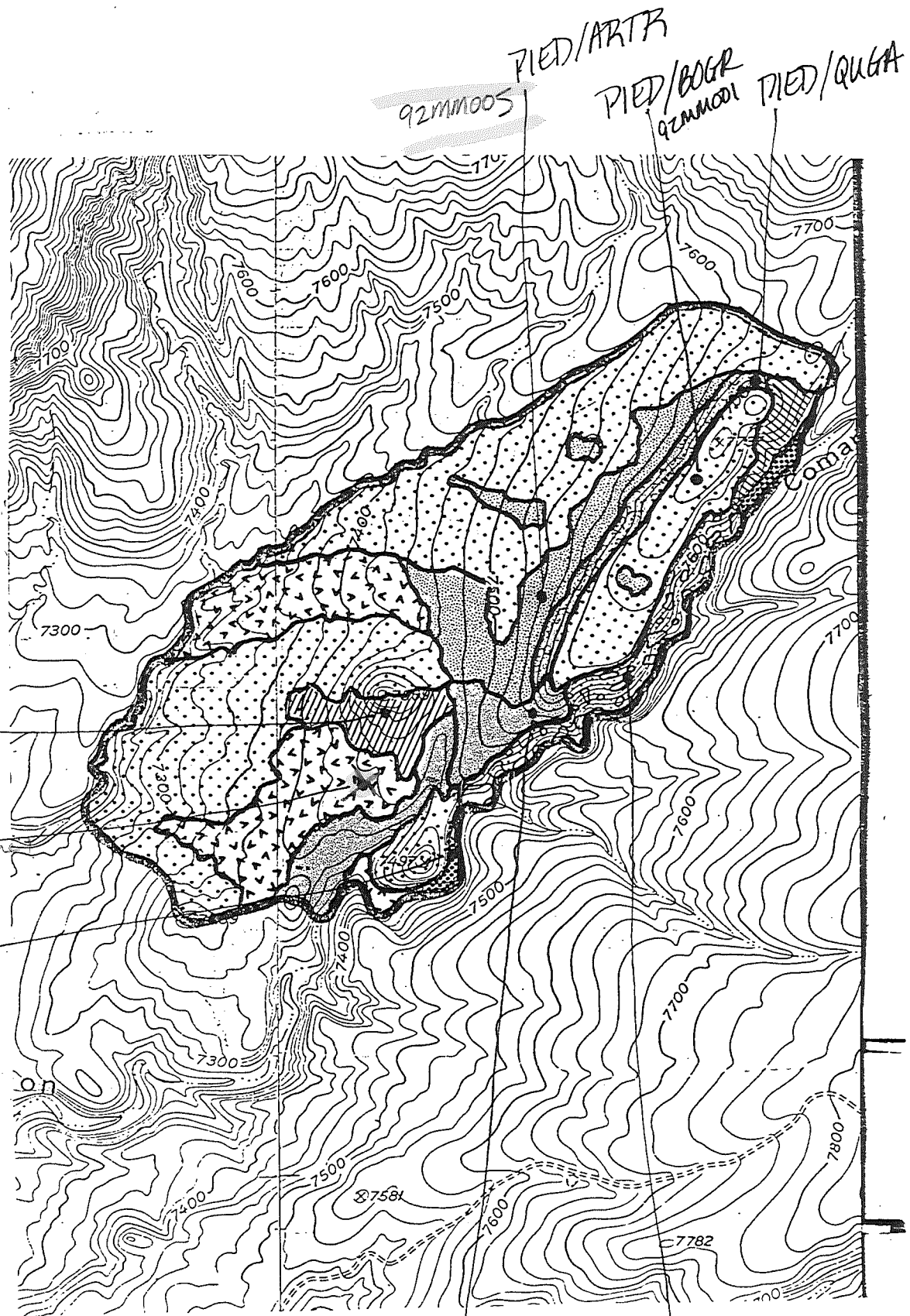
TREES Total Cov <u>5%</u> Max Ht <u>8'</u>			Code	CC	FORBS Total Cover <u>5%</u> Max Ht <u>14"</u>			Code	CC
T1	<u>Pinus edulis</u>			<u>10</u>	F1	<u>Hymenocallis richardsonii</u>		<u>3</u>	
T2					F2	<u>Ipomopsis multiflora</u>		<u>1</u>	
T3					F3	<u>Astragalus sp.</u>		<u>1</u>	
T4					F4				
T5					F5				
T6					F6				
T7					F7				
T8					F8				
T9					F9				
T10					F10				
SHRUBS Total Cov <u>75%</u> Max Ht <u>3.5'</u>				Code	CC	F11			
S1	<u>Artemisia tridentata</u>			<u>80</u>	F12				
S2	<u>Callisiphon saxifraga</u>			<u>3</u>	F13				
S3					F14				
S4					F15				
S5					F16				
S6					F17				
S7					F18				
S8					F19				
S9					F20				
S10					F21				
S11					F22				
S12					F23				
S13					F24				
S14					F25				
S15					F26				
GRAMINOIDS Tot Cov <u>3%</u> Max Ht <u>8"</u>				Code	CC	F27			
G1	<u>Bouteloua gracilis</u>			<u>3</u>	F28				
G2					F29				
G3					F30				
G4									
G5									
G6									
G7									
G8									
G9									
G10									
G11									
G12									
G13									
G14									
G15									

\*

FERN Total Cov \_\_\_\_\_ Max Ht \_\_\_\_\_  
BRYOPHYTE/LICHEN Total Cov \_\_\_\_\_ Max Ht \_\_\_\_\_

GROUND COVER: Soil (<1/16") 60 Gravel (1/16-3") 15 Rock (>3") \_\_\_\_\_  
Litter \_\_\_\_\_ Wood (>1/4") \_\_\_\_\_ Basal Veg 15 Moss 10=100%

Este -  
I don't have  
the plot numbers  
written on this,  
but it should  
be pretty easy  
to match them  
up by habitat  
type



PIED/SPARSE

SAGEBRUSH not  
this one

meadow  
(Psilotrophe, etc)

PIED/CEMO  
#27

SCARP  
WOODLAND

EOCODE \_\_\_\_\_ \* \_\_\_\_\_ \*NM

PLOT ID 92 MM 006  
MAP UNIT \_\_\_\_\_ TRAN NO \_\_\_\_\_

SURVEYOR Michelle Merola MO 8 DAY 18 YR 92 FIELD NO. \_\_\_\_\_  
COMMUNITY ID Pinyon Pine / Sparse PLOTDIM (M) L or R \_\_\_\_\_ W \_\_\_\_\_

SITE NAME Comanche Canyon RNA SITE CODE: S.USNMHP\*  
SURVEY SITE Comanche Canyon - NW Knoll COUNTY Rio Arriba

QUADNAME Cambiose QUADCODE 3610633 MARGNUM 6 DOTNUM \_\_\_\_\_  
TOWNRANGE 1 2 4 N 35 E SECTION 35 TRSCOM SE 4 2 unsurveyed

DIRECTIONS See attached From El Rito take FS137 to FS23.  
Go S on FS23 1.5 mi. Walk 1.3 mi NW down into Comanche Canyon

UTM: Northing 4023100 Easting 376950 ZONE \_\_\_\_\_ PRECISION M  
CORD: Lat \_\_\_\_\_ Long \_\_\_\_\_  
GPS: WPT's \_\_\_\_\_ 3D \_\_\_\_\_ 2D \_\_\_\_\_ TIME \_\_\_\_\_

AERIAL PHOTO NO. 5-25-90  
USDAF 613020 129030 PLOT PHOTOS \_\_\_\_\_

SUMMARY VEGETATION DESCRIPTION, LANDSCAPE FEATURES AND ADJACENT COMMUNITIES:  
Pinyon pine juniper, occasional mountain mahogany  
on New cobble slope with extremely sparse understory.  
Grades into sagebrush and pinyon-juniper.  
Open and cobbly.

ELEV 71630' PLOT SLOPE POSITION mid-slope CODE: UMS  
ASPECT 150° VERTICAL SLOPE SHAPE straight CODE: S  
SLOPE 30% PARENT MATERIAL \_\_\_\_\_ CODE: \_\_\_\_\_  
DL C LAND FORM residual mountain slope CODE: RUMS

IFSLOPE 30' IFVALLEY \_\_\_\_\_ ANGLE HORZ: N 30° E 5° S 5° W 90°  
SOIL RPT \_\_\_\_\_ SOIL UNIT \_\_\_\_\_  
SOIL TAXON \_\_\_\_\_  
EROSION POTENTIAL unstable CODE: UP EROSION TYPE \_\_\_\_\_ CODE: \_\_\_\_\_  
DISTURBANCE HISTORY (Type, intensity, frequency, season) \_\_\_\_\_

ANIMAL USE EVIDENCE \_\_\_\_\_ CODE: \_\_\_\_\_

OCC SIZE D Comment very small  
CC CONDITION A Comment \_\_\_\_\_  
OCC VIABILITY B Comment erosion potential  
OCC DEFENSIB C Comment poor due to small size of community  
EO RANK C7/B- Comment \_\_\_\_\_

ADDITIONAL INFO AND COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLOTTYPE (forms) 2,3 PURPOSE (study) RNA analysis CODE: J  
SURVEY (design) \_\_\_\_\_ CODE: ANCA



COMMUNITY OCCURRENCE SURVEY  
NMNHP JAN 1991

FORM 3 -- VEGETATION--Releve Plot

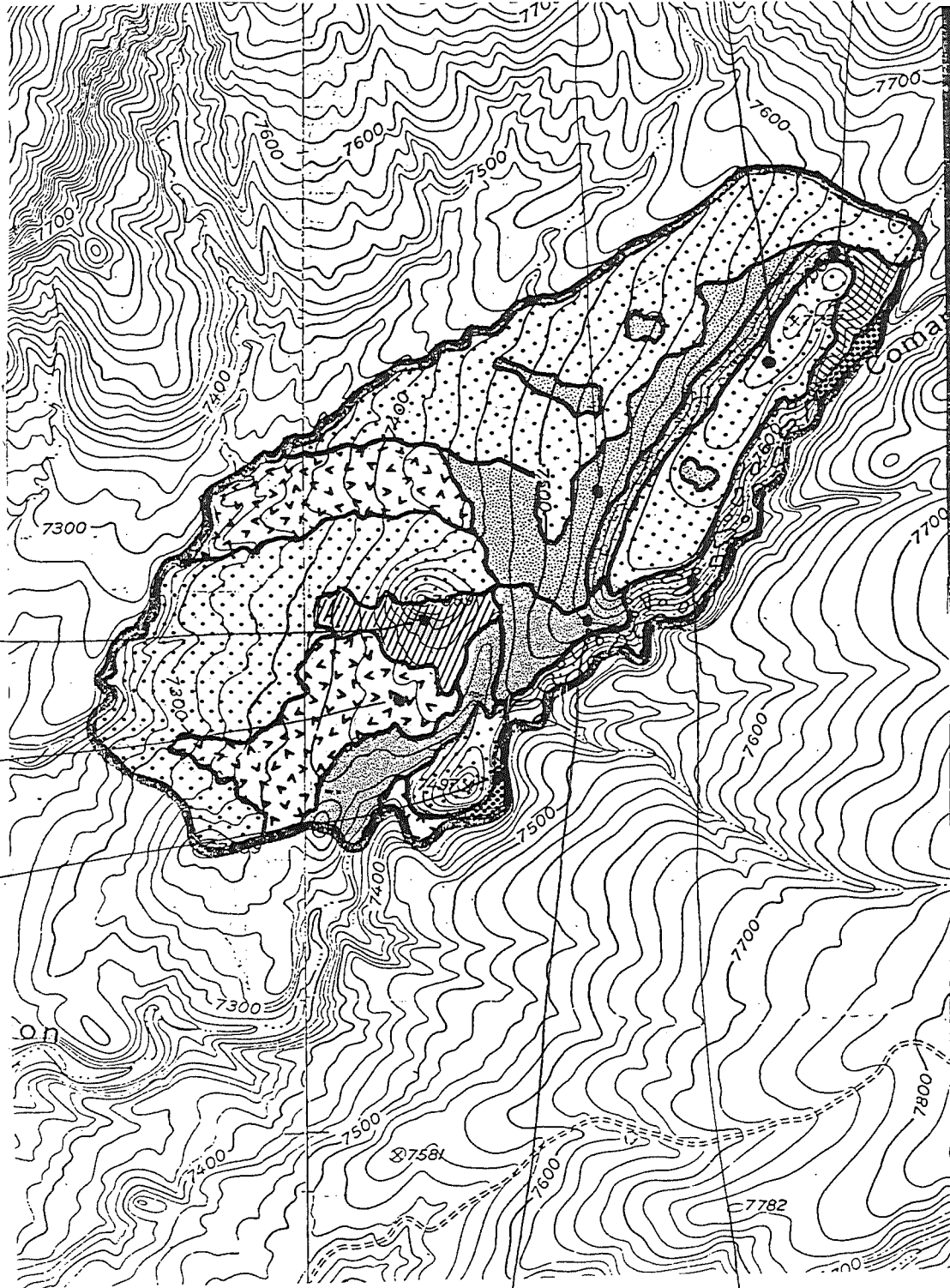
PLOT ID 92MM006

Number of Vegetation Layers      Number of Species 9 P.A. Pinyon / sparse

TREES Total Cov <u>8%</u> Max Ht <u>6'</u>		Code	CC	FORBS Total Cover <u>3%</u> Max Ht <u>8"</u>		Code	CC
T1	<i>Pinus edulis</i>		3	F1	<i>Ericaceum juniperi</i>		1
T2	<i>Juniperus osteosperma</i>		3	F2	<i>Stipa sp.</i>		1
T3				F3	<i>Lesquerella sp.</i>		1
T4				F4	<i>Solidago rigida</i>		1
T5				F5	<i>Taraxacum officinale</i>		1
T6				F6			
T7				F7			
T8				F8			
T9				F9			
T10				F10			
SHRUBS Total Cov <u>    </u> Max Ht <u>    </u>				F11			
S1				F12			
S2				F13			
S3				F14			
S4				F15			
S5				F16			
S6				F17			
S7				F18			
S8				F19			
S9				F20			
S10				F21			
S11				F22			
S12				F23			
S13				F24			
S14				F25			
S15				F26			
GRAMINOIDS Tot Cov <u>1%</u> MaxHt <u>    </u>				F27			
G1	<i>Bouteloua curtipendula</i>		1	F28			
G2	<i>Bouteloua grisea</i>		1	F29			
G3				F30			
G4							
G5							
G6							
G7							
G8							
G9							
G10							
G11							
G12							
G13							
G14							
G15							
				FERN Total Cov <u>    </u> Max Ht <u>    </u>			
				BRYOPHYTE/LICHEN Total Cov <u>    </u> Max Ht <u>    </u>			

GROUND COVER: Soil (<1/16") 10 Gravel (1/16-3") 5 Rock (>3") 60  
Litter      Wood (>1/4") 20 Basal Veg 5 Moss      =100%

Este -  
I don't have  
the plot numbers  
written on this,  
but it should  
be pretty easy  
to match them  
up by habitat  
type



PIED/SPARSE  
92mm006

SAGEBRUSH

meadow  
(Psilotrophe, etc)

PIED/CEMO  
#27

SCARP  
WOODLAND

PIED/ARTR

PIED/BOGR  
92mm001

PIED/QUGA

EOCODE \_\_\_\_\_ \* \_\_\_\_\_ \*NM

PLOT ID 92MM007  
MAP UNIT \_\_\_\_\_ TRAN NO \_\_\_\_\_

SURVEYOR Michelle Merola MO 8 DAY 18 YR 92  
COMMUNITY ID Pinyon Pine - Gambel's Oak

FIELD NO. \_\_\_\_\_  
PLOTDIM (M) L or R \_\_\_\_\_ W \_\_\_\_\_

SITE NAME Comanche Canyon RNA  
SURVEY SITE Comanche Canyon NW slope of ridge

SITE CODE: S.USNMHP\*  
COUNTY Rio Arriba

QUADNAME Canyon SE QUADCODE \_\_\_\_\_ MARGNUM 7 DOTNUM \_\_\_\_\_  
TOWNRANGE T25N R5E SECTION 36 TRSCOM SW 1/4 unsurveyed

DIRECTIONS see attached

UTM: Northing 4024160 Easting 378100 ZONE \_\_\_\_\_ PRECISION M  
CORD: Lat \_\_\_\_\_ Long \_\_\_\_\_  
GPS: WPT's \_\_\_\_\_ 3D \_\_\_\_\_ 2D \_\_\_\_\_ TIME \_\_\_\_\_

AERIAL PHOTO NO. USDA-F 613020 1990-76 PLOT PHOTOS \_\_\_\_\_

SUMMARY VEGETATION DESCRIPTION, LANDSCAPE FEATURES AND ADJACENT COMMUNITIES:  
Cobbly slope - Pinyon, juniper - Gambel's oak;  
some mountain Mahogany. Few forbs & grasses.  
grades into pinyon-juniper / Bouteloua gracilis  
habitat type.

ELEV 7650' PLOT SLOPE POSITION upper slope CODE: SLUS  
ASPECT 10° VERTICAL SLOPE SHAPE rounded CODE: R  
SLOPE 30° PARENT MATERIAL \_\_\_\_\_ CODE: \_\_\_\_\_  
DL C LAND FORM Bajada CODE: CFD  
IFSLOPE 20' IFVALLEY \_\_\_\_\_ ANGLE HORZ: N 10° E 10° S 30° W 80°  
SOIL RPT \_\_\_\_\_ SOIL UNIT \_\_\_\_\_  
SOIL TAXON \_\_\_\_\_  
EROSION POTENTIAL stable CODE: SA EROSION TYPE none CODE: NO  
DISTURBANCE HISTORY (Type, intensity, frequency, season) \_\_\_\_\_

ANIMAL USE EVIDENCE \_\_\_\_\_ CODE: \_\_\_\_\_

OCC SIZE C Comment small  
CC CONDITION A Comment \_\_\_\_\_  
OCC VIABILITY A Comment no threats  
OCC DEFENSIB B+ Comment patchy occurrences  
EO RANK B+ Comment \_\_\_\_\_

ADDITIONAL INFO AND COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLOTYPE (forms) 2,3 PURPOSE (study) RNA analysis CODE: \_\_\_\_\_  
SURVEY (design) \_\_\_\_\_ CODE: ATV G

COMMUNITY OCCURRENCE SURVEY  
NMNHP JAN 1991

FORM 3 -- VEGETATION--Releve Plot

PLOT ID 92MM007

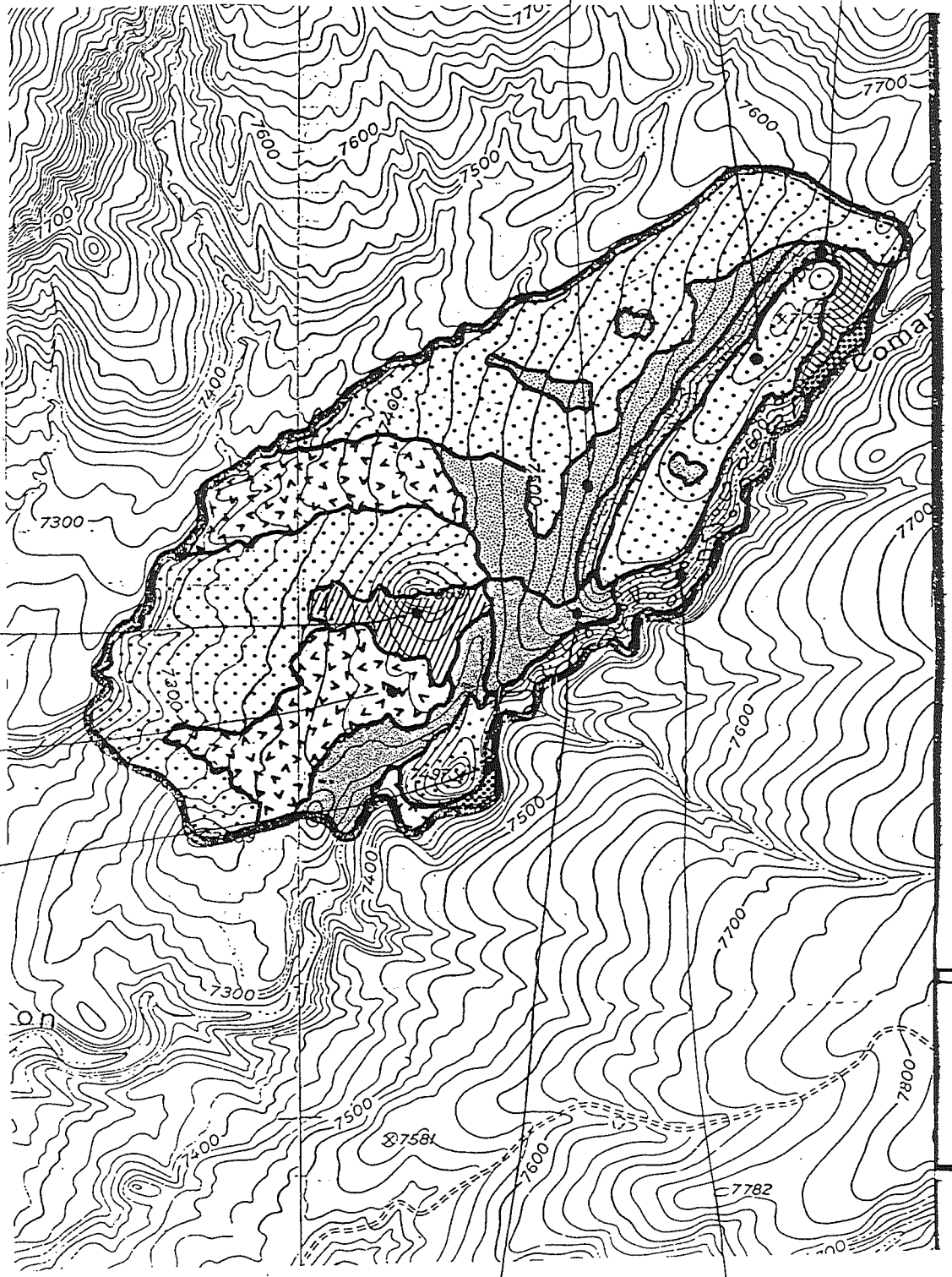
Number of Vegetation Layers      Number of Species 13 P.A. Pinon pine - Gambel's Oak

TREES Total Cov <u>80%</u> Max Ht <u>15'</u>			Code	CC	FORBS Total Cover <u>5%</u> Max Ht <u>    </u>			Code	CC
T1	<i>Pinus edulis</i>			10	F1	<i>Encyonema ramosum</i>			1
T2	<i>Juniperus scopulorum</i>			3	F2	<i>Hymenoxis rollandsoni</i>			1
T3	<i>Juniperus osteosperma</i>			3	F3	<i>Bahia dissecta</i>			1
T4	<i>Quercus gambelii</i>			10	F4	<i>Erysimum capitatum</i>			1
T5					F5	<i>Euphorbia prostrata</i>			1
T6					F6	<i>Lepidium montanum</i>			1
T7					F7				
T8					F8				
T9					F9				
T10					F10				
SHRUBS Total Cov <u>3%</u> Max Ht <u>4'</u>					Code	CC	F11		
S1	<i>Carocarpus montanus</i>			3	F12				
S2					F13				
S3					F14				
S4					F15				
S5					F16				
S6					F17				
S7					F18				
S8					F19				
S9					F20				
S10					F21				
S11					F22				
S12					F23				
S13					F24				
S14					F25				
S15					F26				
GRAMINOIDS Tot Cov <u>4%</u> MaxHt <u>    </u>					Code	CC	F27		
G1	<i>Bouteloua gracilis</i>			3	F28				
G2	<i>Stipa sp.</i>			1	F29				
G3					F30				
G4									
G5									
G6									
G7									
G8									
G9									
G10									
G11									
G12									
G13									
G14									
G15									
					FERN Total Cov <u>    </u> Max Ht <u>    </u>				
					BRYOPHYTE/LICHEN Total Cov <u>    </u> Max Ht <u>    </u>				

GROUND COVER: Soil (<1/16") 10 Gravel (1/16-3") 10 Rock (>3") 55  
Litter 5 Wood (>1/4") 10 Basal Veg 5 Moss 5 =100%

Este -  
I don't have  
the plot numbers  
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but it should  
be pretty easy  
to match them  
up by habitat  
type

PIED/ARTR  
PIED/BOGR 92mm001  
PIED/QUGA 92mm007



PIED/SPARSE

SAGEBRUSH

Meadow  
(Psilotrophe, etc)

PIED/CEMO  
#27

SCARP  
WOODLAND