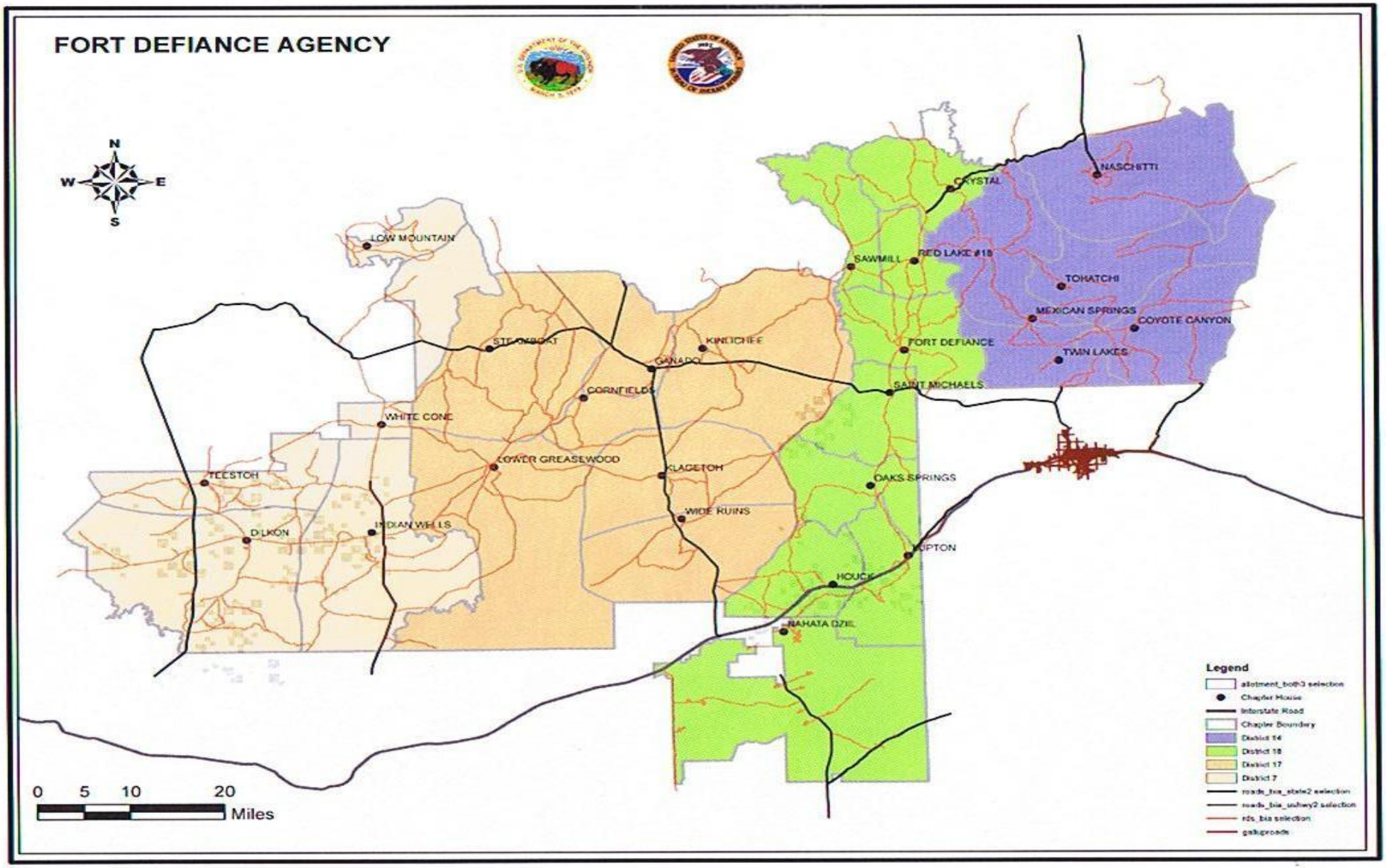
Fort Defiance Agency

Branch of Natural Resources

Jerome Willie
Rangeland Management Specialist

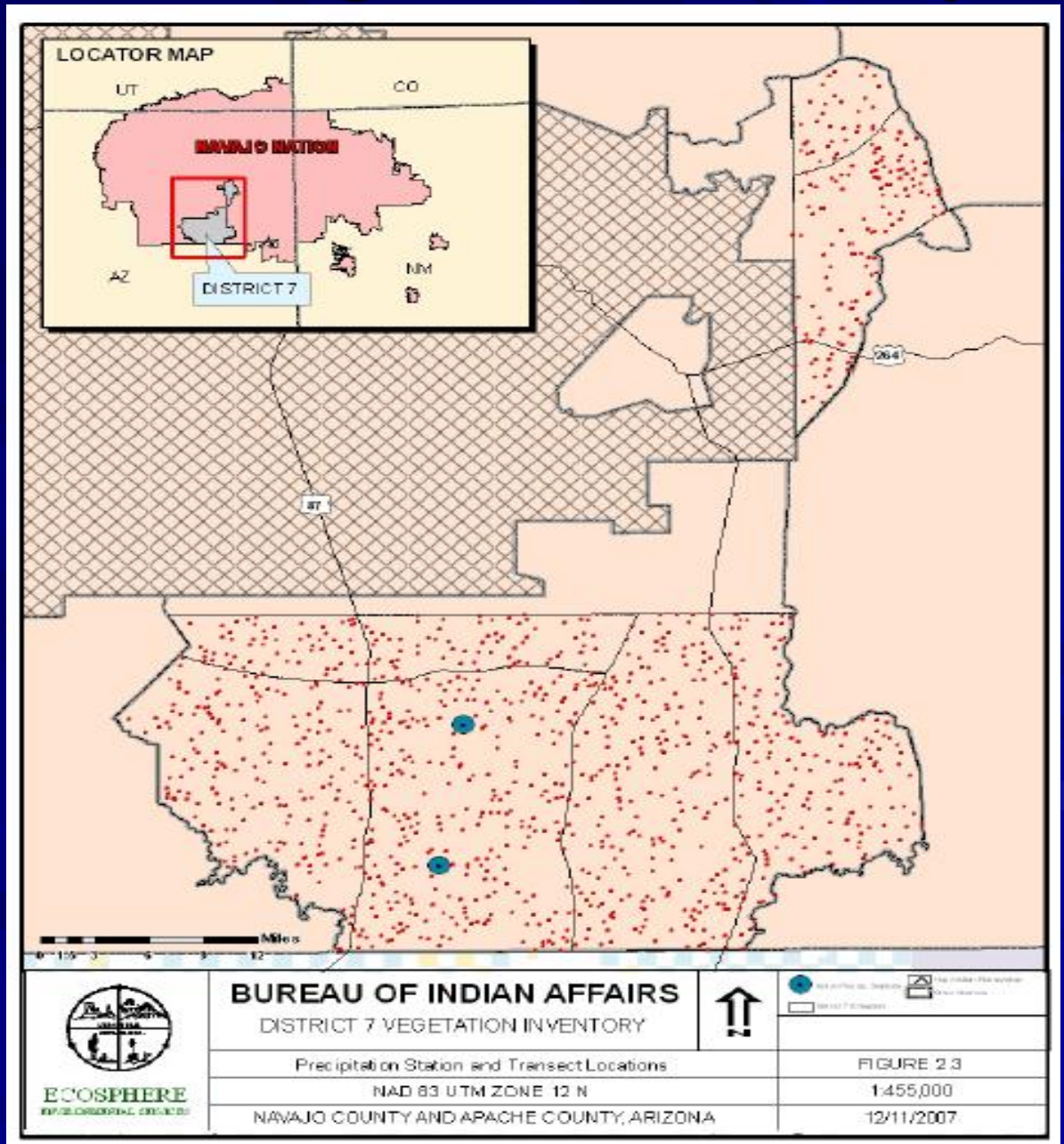
Fort Defiance Agency – 3.2 million



AGENCY TOTAL

NUMBER OF PERMITS	SHEEP UNITS (RANGE)	PERCENT OF PERMITS	SHEEP UNITS/HORSES (TOTAL)
1,148	5 to 20	31%	16,787 / 2,393
1,118	21 to 40	30%	34,033 / 2,278
616	41 to 60	16%	31,077 / 1,272
392	61 to 80	10%	26,710 / 831
185	81 to 100	5%	1,666 / 360
296	101 to 339	8%	44,727 / 655
TOTAL PERMITS: 3,755			169,996 / 7,789

District 7 Vegetative Survey - 2006



Dilcon 7-1

- STOCKING RATE: 18.5 acres per Sheep unit year long,
  CARRYING CAPACITY: 4,810.6 Sheep units yearlong
- RANGE: 239,371 acres range units / Poor Condition
- ADJUSTED CARRYING CAPACITY: 11,489 minus 4,810.6=6,678 SUYL (Overstocked)

Teesto 7-2

- STOCKING RATE: 19.6 acres per Sheep unit year long for the (Shallow Loamy), 353.4 acres per sheep unit in Sandy Wash
- CARRYING CAPACITY: 1,674 Sheep units year long
- RANGE: 61,570 Acres range units / Poor Condition
- ADUSTED CARRYING CAPACITY: 3,342 minus 1,674 =1,668 (Overstocked)

Low Mountain/Jeddito 7-4

- STOCKING RATE: 7.6 acres per SUYL for the (Loamy Shallow)
- CARRYING CAPACITY: 5,076.6 SUYL
- RANGE: 83.937 Acres range units / Poor to Fair
- ADJUSTED CARRYING CAPACITY: 4,067 Current 5,077 Recommended =1,010 SUYL (Understocked)

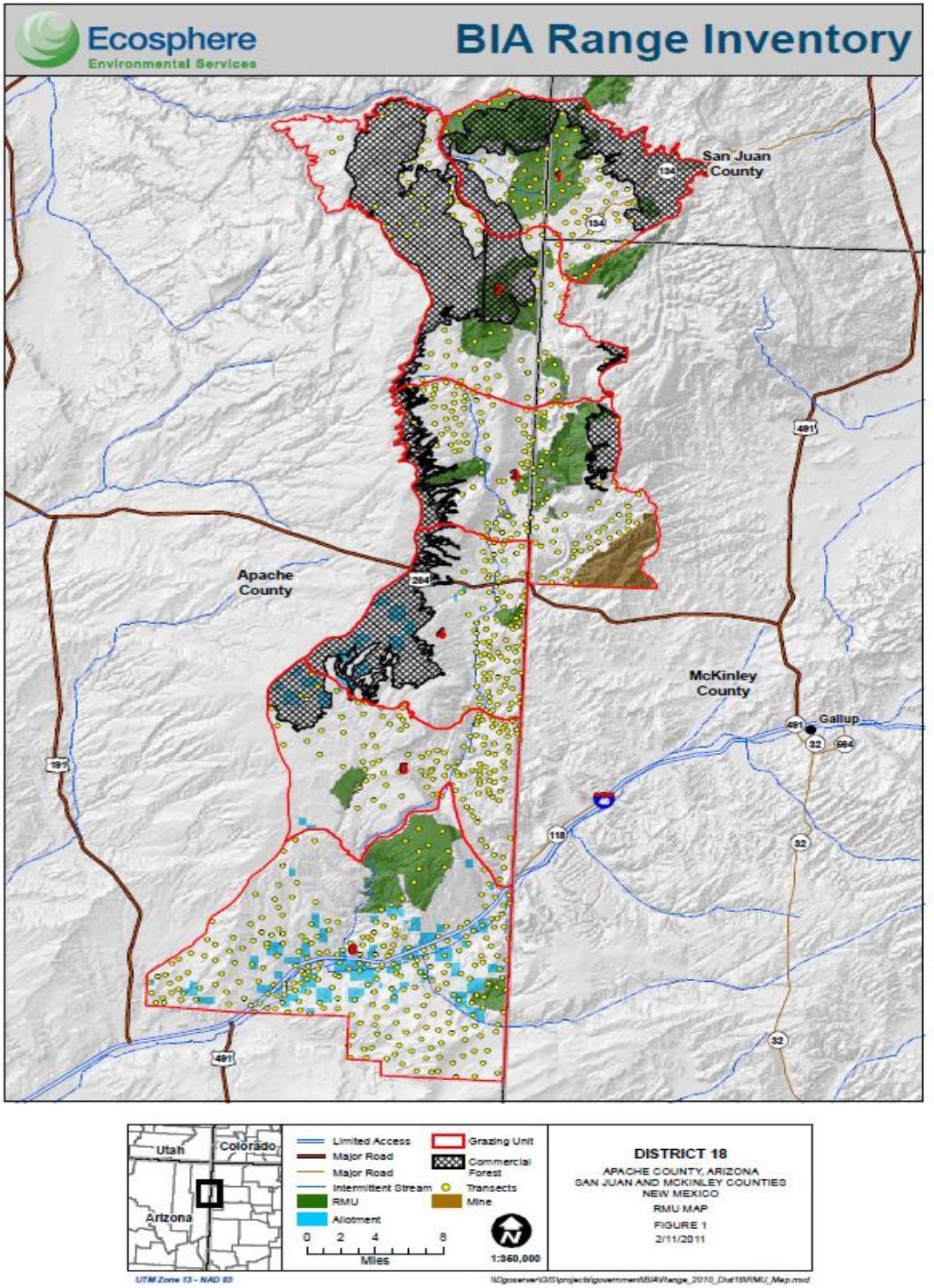
Indian Wells 7-4

- STOCKING RATE: 2.5 acres per Sheep unit year long for the (Sandstone/Shale)
- CARRYING CAPACITY: 10,623.8 Sheep units year long
- RANGE: 206,676 acres range units / Poor Condition
- ADJUSTED CARRYING CAPACITY: 11,923 minus 10,623=1,300 SUYL (Overstocked)

District 7 Stocking Rate

	(Before) INVENTORY	(After) INVENTORY
DILCON	11,489	4,811
INDIAN WELLS	11,923	10,623
LOW MOUNTIAN / JEDDITO	4,067	5,077
TEESTO	3,342	1,674
TOTAL SHEEP UNIT	30,821	22,185
TOTAL ADJUSTMENT =	8,636	

District 18 Vegetative Survey - 2010



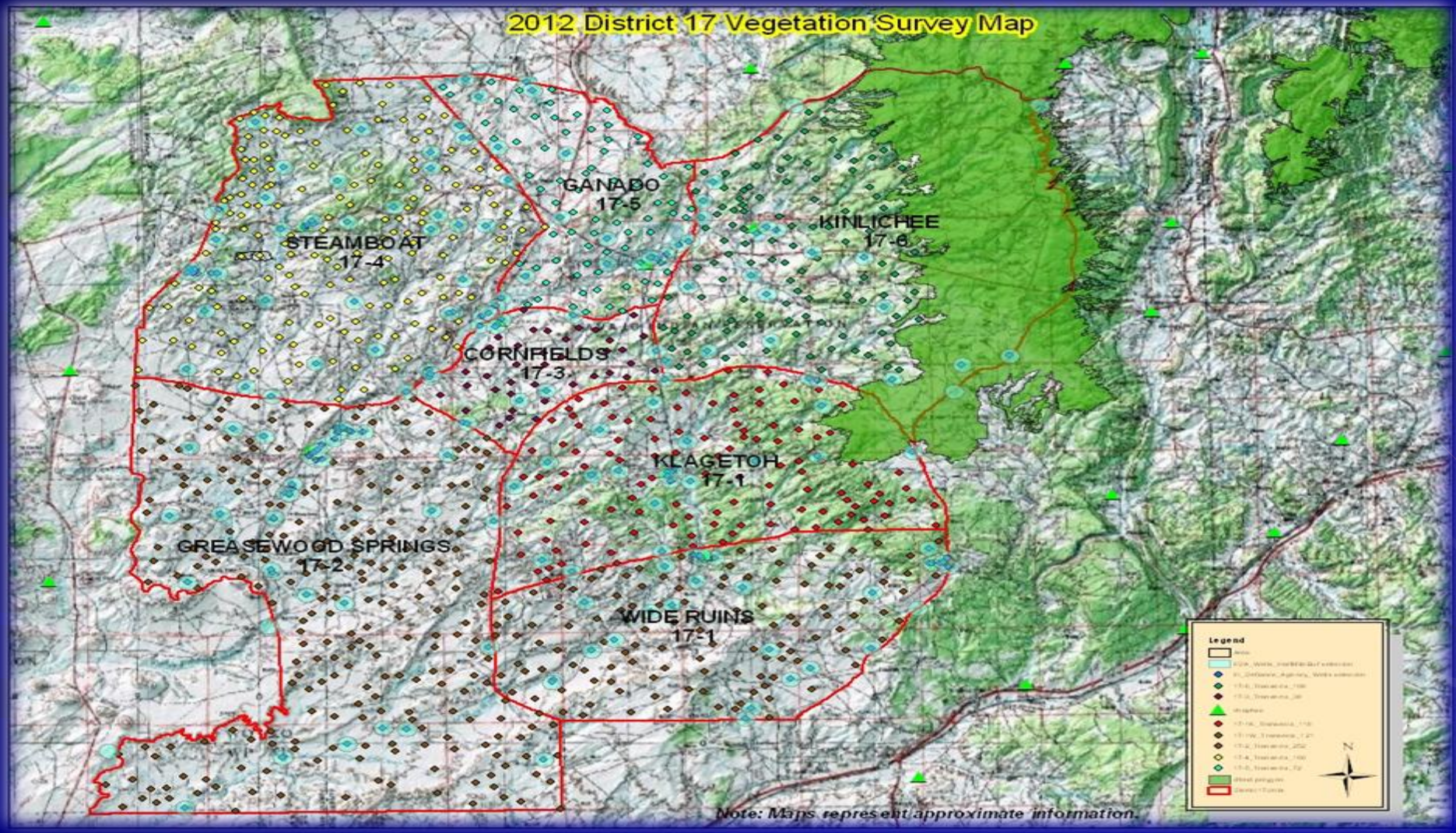
District 18 Range Inventory Results

Grazing Unit	Acres	Stocking Rate (Acres/AUM)	Carrying Capacity (AUM)	Available Forage (Pounds/Acre)
1 Crystal	25,845.3	126.0	3,568.3	7.2
2 Redlake/ Sawmill	55,362.2	60.4	3,662.8	15.1
3 Fort Defiance	64,687.3	74.2	5,260.0	12.3
4 St. Michaels	30,637.0	70.1	2,354.9	13.0
5 Oaksprings	73,150.1	68.4	5,482.3	13.3
6 Lupton/ Houck	155,159.6	106.2	18,056.1	8.6

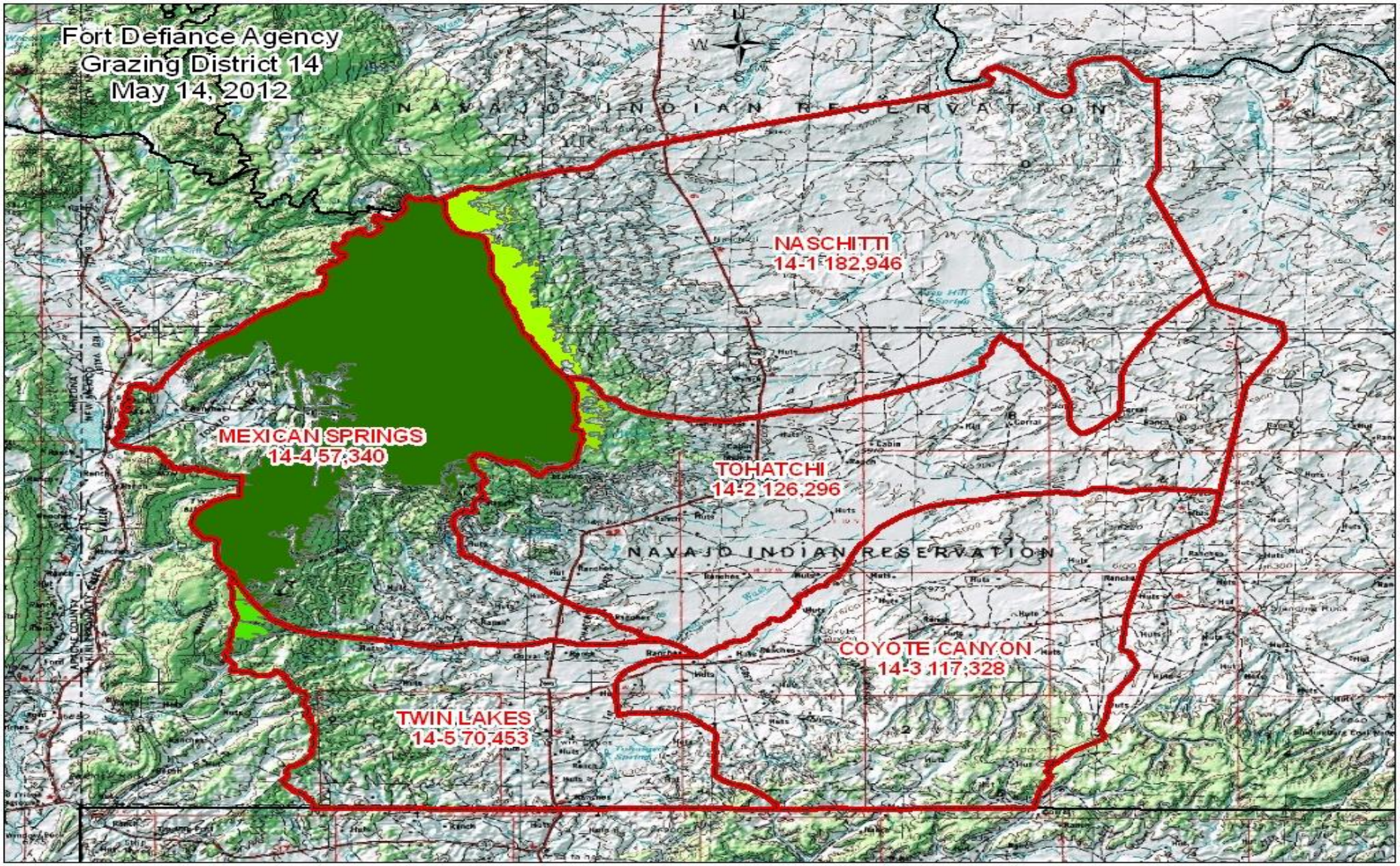
District 18 yearlong/seasonal grazing permits
Carrying Capacity within District 18

District 18	Number of Permits: yearlong/ Seasonal Permits	Current Sheep units	Recommended Capacity yearlong	Adjustment (sheep units) Seasonal
Unit 0	50/15	2,596		
Unit 1 Crystal	93	5,093	1,189	3,904
Unit 2 Sawmill	121/37	6,987	1,221	5,766
Unit 3 Ft Defiance	159/18	7,109	1,753	5,356
Unit 4 St Michael	104/46	6,474	785	5,689
Unit 5 Oak Spring	72/12	4,924	1,827	3,097
Unit 6 Houck	186/44	9,453	6,019	3,434
Total	785/172	42,636	12,794	27,246

District 17 Vegetative Survey - 2012



District 14 Vegetative Survey – Sept/Oct 2012



Kinlichee Burnt Area

Seasonal Grazing Permits within the Commercial Forest Area District 18 to District 17 (April to September)

	Number of permittee	Sheep Units	Horses
Unit 2 (Red lake to Sawmill)	48	2,332	53
Unit 3 (Ft. Defiance)	16	1,124	34
Unit 4 (St Michaels)	23	1,117	35
Unit 5 (Oak Springs)	11	1029	28
Unit 6 (Houck)	33	1676	44
Total:	**131**	**7,338**	**194**

Yearlong Grazing Permits within Commercial Forest Area
District 18 to District 14 (summer camps)

	Number of permittee	Sheep Units	Horses
Chuska Mountains Unit 2 (Tohatchi)	9	519	36
Unit 4/Unit 5 (Mexican Springs & Twin Lakes	7	214	5
Unit 1 (Naschitti)	132	4,774	325
Total	**164**	**6,258**	**398**

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