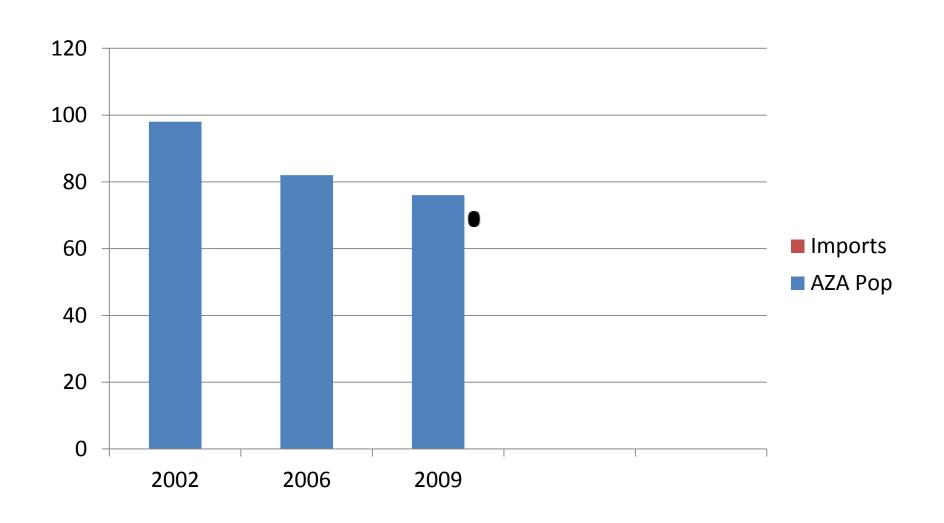
Corners Limited is the proud sponsor of the 2015 ASAG Workshops



AZA White Storks



Imported 22 birds over three years.

Fort Wayne – three pairs from their sister Zoo in Poland in 2010

Sand Diego Safari Park – two pairs in 2012

San Antonio – two pairs in 2012

Detroit – one pair in 2012

Sedgwick County – one pair in 2012

Omaha – one pair in 2012

Cleveland – one pair in 2012

Invoice from	Reason	(8 birds)	(1 birds)
	Import permit application		
USDA	fee	\$145.00	\$18.00
Warsaw broker	Shipping from Poland to NY	\$11,647.00	\$1455.00
US broker	Broker fees in NY	\$2,455.00	\$307.00
USDA	Quarantine fees	\$4,851.00	\$606.00
USDA	Quarantine testing fees	\$104.00	13.00
Mersant International	Shipping from NY to Detroit		\$556.00
Warsaw Zoo	Crates and testing fees	\$4,032.00	\$504.00
	TOTAL	\$23,234.25	\$1,125.00
		per bird	per bird
		\$2,904.28	\$3459.00

Fort Wayne – They have had very little pairing from any of their birds. Are going to try again this year. If not successful they will try different management options.

San Diego Safari Park – two pairs in 2012 They had 1.3 instead of 2.2

San Antonio –

One pair nested last year, incubated four infertile eggs.

Second pair built a poor nest, did not defend it, and did not lay eggs.

They appear more bonded this year and have been observed copulating.

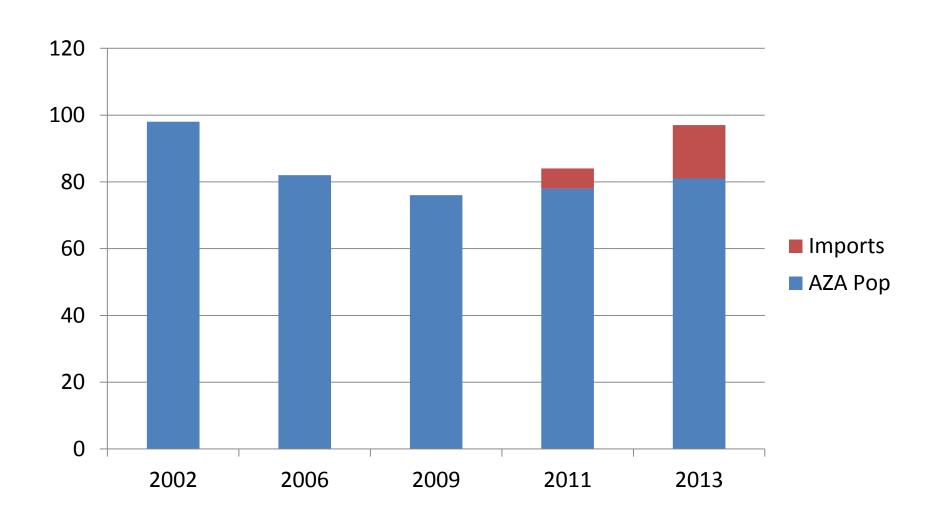
Detroit – Pair has bonded well, but not yet nested

Sedgwick County – have not nested. Very wary compared to their other birds.

Omaha – Had construction that disrupted them, but they still built a nest, but no eggs.

Cleveland – No breeding. Had some construction.

AZA White Storks



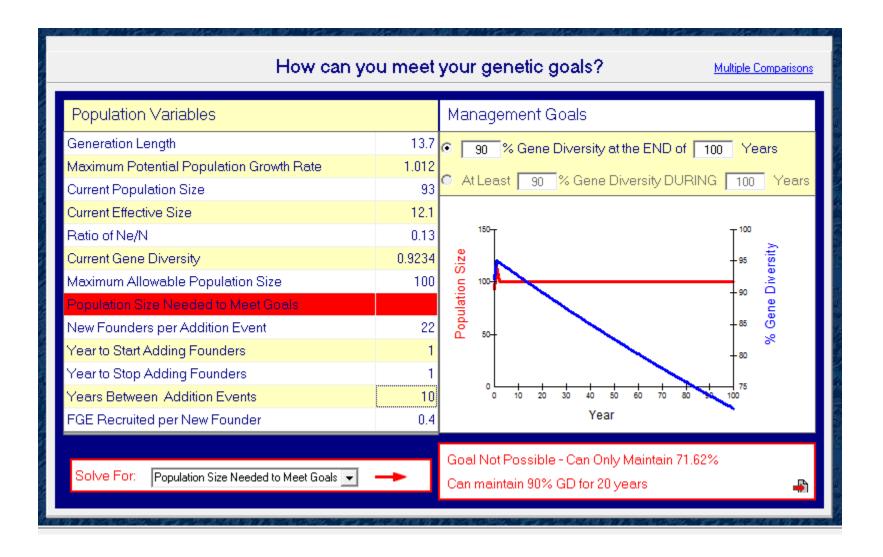
DEMOGRAPHICS

Current size of population (N) - Total (Males, Females, Unknown)	74 (44.27.3)
# animals excluded from management	16
Population size following exclusions	58
Target population size	100
Mean generation time (yrs)	13.72
Historic/Projected population growth rate (lambda)	1.011/1.01

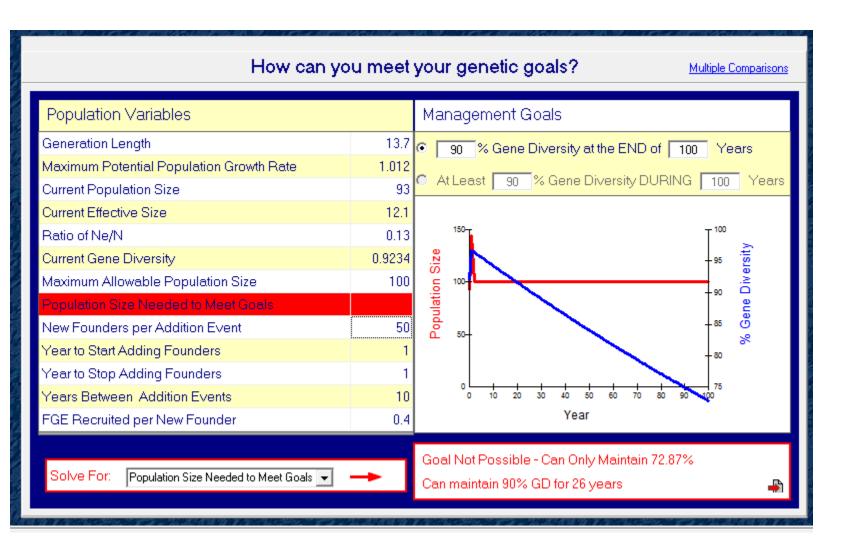
Current size of population (N) - Total (Males, Females, Unknown)	97 (59.37.1)
# animals excluded from management	4
Population size following exclusions	93
Target population size	100
Mean generation time (yrs)	13.72
Historic/Projected population growth rate (lambda)	1.012

Genetics calculated from the analytical		2009		2014
studbook 2014	2009	Potential	2014	Potential
Founders	21	1	21	23
Founder genome equivalents (FGE)	7.44	16.01	6.53	36.5
Gene diversity (GD%)	93.28	96.88	92.34	98.63
Population mean kinship (MK)	0.0616		0.0766	
Mean inbreeding (F)	0.0661		0.0485	
Effective population size/census size				
ratio (Ne / N)	0.1669		0.1339	
Years To 90% Gene Diversity	12		7	
Years to 10% Loss of Gene Diversity	45		37	
Gene Diversity at 100 Years From				
Present (%)				
Assuming (λ = 1.01, Target size = 100)	73		67.63	

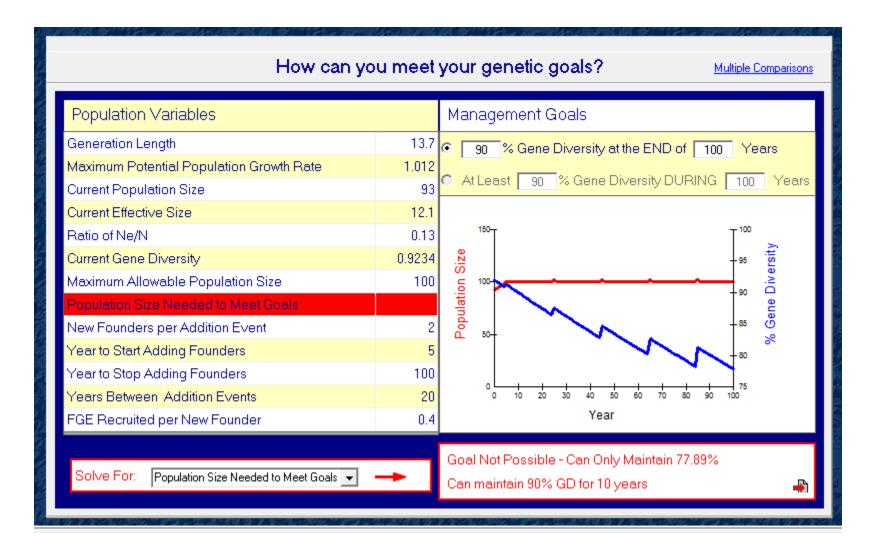
22 at once, current population



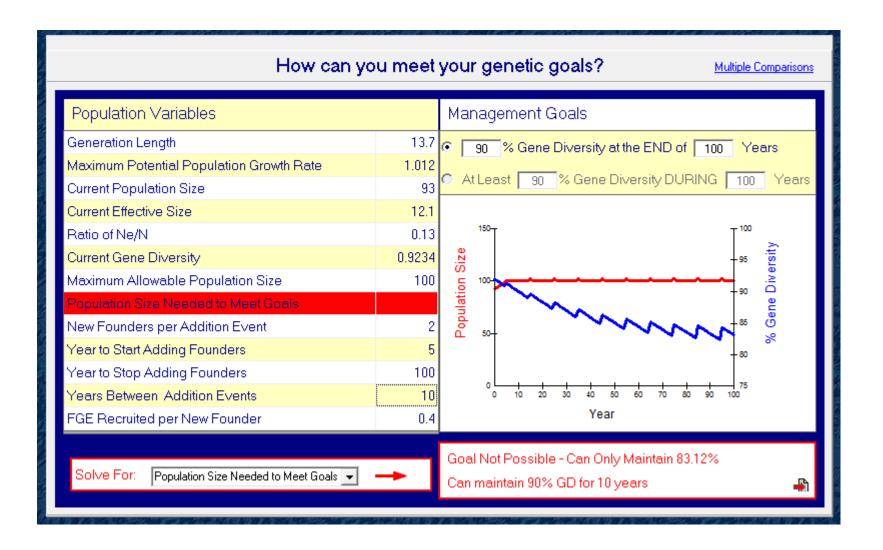
Fifty pair now



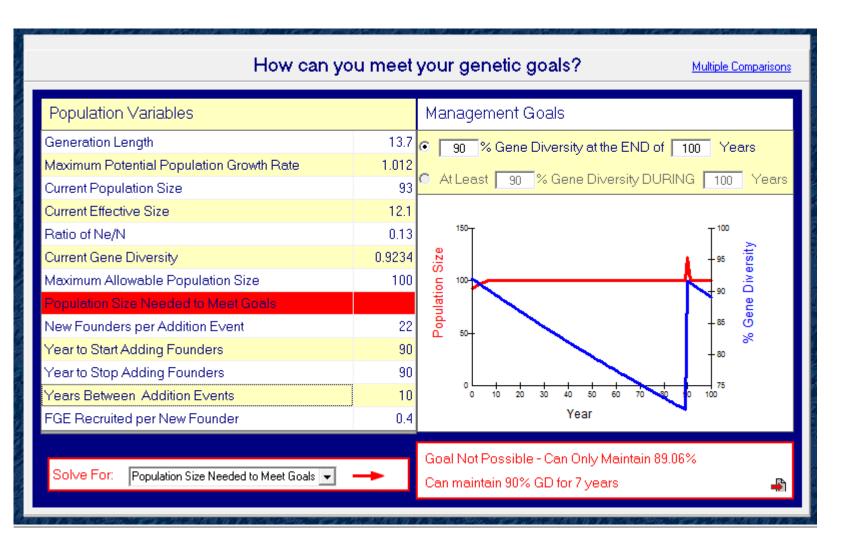
Two every twenty years



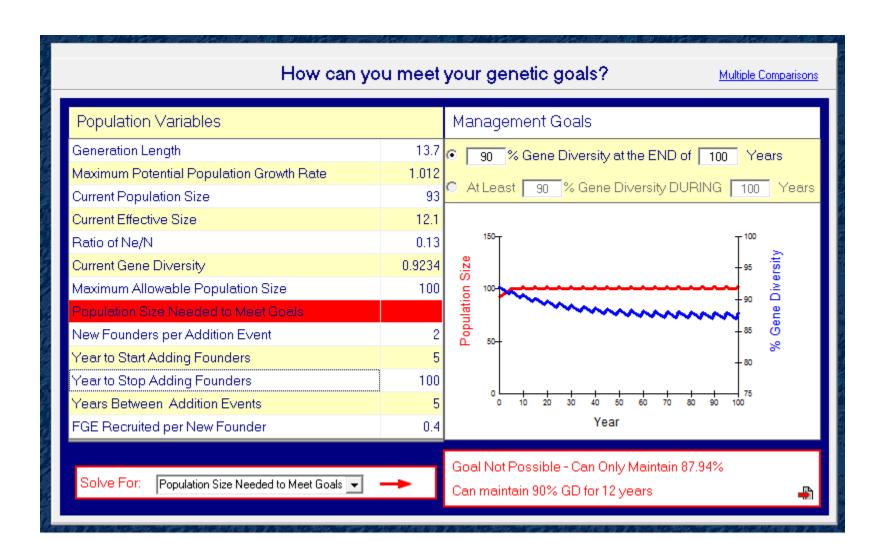
Two every ten years



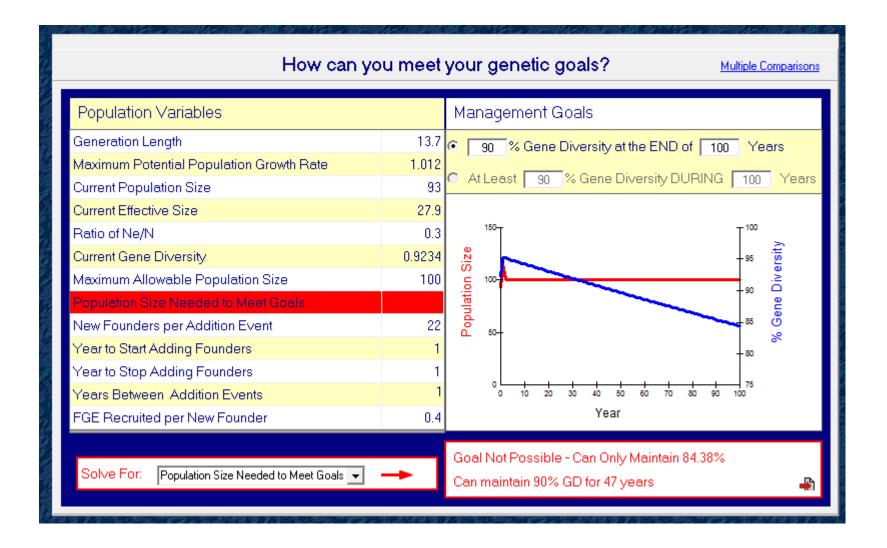
Twenty two at year 90



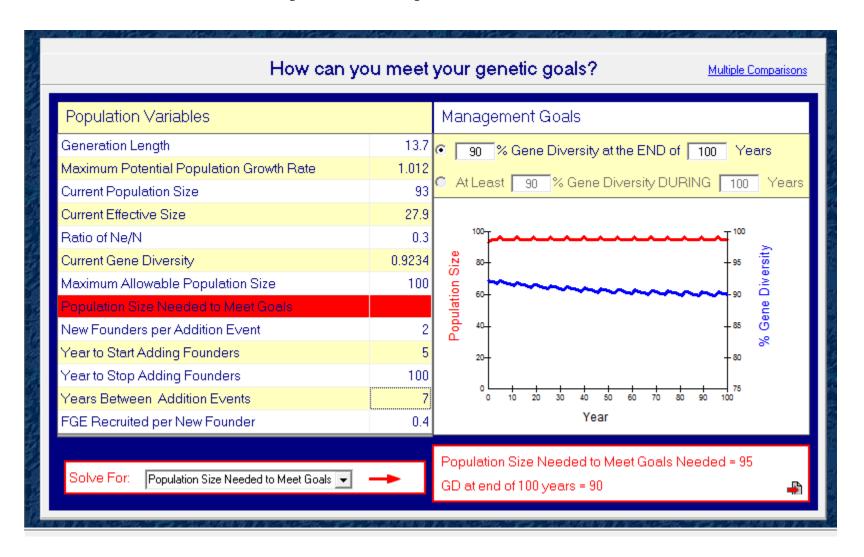
Two every five years



Twenty two now with increased Ne/N



Two every seven years with increased Ne/N





Bird was observed in 1822 In Germany

They traced the arrow to Central Africa

Helped explain migration