Table 1. Correlation coefficients (*r*) and significance levels (*P*) for relationships between common carp log10 transformed hormone plasma concentrations and ages and gonadal stages.

	Age		Length		Weight	
	r	*P*	*r*	*P*	*r*	*P*
CARP						
Finley						
Males						
Gonadal Stage	0.097590	0.762861				
GSI	0.008036	0.980225	0.307734	0.330520	0.380102	0.222922
Females						
GSI	0.282384	0.400160	0.887737	0.000264	0.860907	0.000666
Malheur						
Males						
Gonadal Stage	0.371391	0.290671				
GSI	0.096245	0.791402	0.112234	0.757557	0.201970	0.575776
Females						
GSI	0.329317	0.352792	0.346118	0.327236	0.167845	0.643009

Females from both sites had no variation in gonadal stage and therefore regression was not possible.

Table 2. Correlation coefficients (*r*) and significance levels (*P*) for relationships between turtle log10 transformed hormone plasma concentrations and length and weights.

	Weight		Length	
	r	*P*	*r*	*P*
Finley				
Males				
ketotestosterone	0.157692	0.643313	0.133148	0.696330
estrogen	0.231011	0.494329	0.069384	0.839364
Females				
ketotestosterone	0.044237	0.933688	0.006047	0.990930
estrogen	0.048848	0.926786	0.022037	0.966950
Umpqua				
Males				
ketotestosterone	0.315788	0.233464	0.328092	0.214750
estrogen	0.545798	0.028741	0.575672	0.019623
Females				
ketotestosterone	0.576285	0.134864	0.545387	0.162084
estrogen	0.342632	0.406074	0.289873	0.486167

Table 3. Correlation coefficients (*r*) and significance levels (*P*) for relationships between common carp log10 transformed hormone plasma concentrations and ages and gonadal stages.

	Age	
	r	*P*
CARP		
Finley		
Males		
ketotestosterone	0.495720	0.101225
estrogen	0.099537	0.758252
Females		
ketotestosterone	0.221301	0.513142
estrogen	0.147137	0.665947
Malheur		
Males		
ketotestosterone	0.274659	0.442492
estrogen	0.485741	0.154649
Females		
ketotestosterone	0.130150	0.720070
estrogen	0.391811	0.262813
TURTLES		
Finley		
Males		
ketotesterone	0.313862	0.686138
estrogen	0.722890	0.277110
Females		
ketotestosterone	0.333366	0.666634
estrogen	0.430098	0.569902
Umpqua		
Males		
ketotestosterone	0.034511	0.899033
estrogen	0.476344	0.062139
Females		
ketotestosterone	0.129779	0.759383
estrogen	0.116329	0.783844

Table 4. Correlation coefficients (*r*) and significance levels (*P*) for relationships between common carp log10 transformed hormone plasma concentrations and length and weights.

	Weight		Length	
	r	*P*	*r*	*P*
Finley				
Males				
ketotestosterone	0.039406	0.903224	0.064016	0.843317
estrogen	0.369571	0.237065	0.409537	0.186144
Females				
ketotestosterone	0.273812	0.415217	0.264759	0.431411
estrogen	0.527044	0.095735	0.596024	0.052970
Malheur				
Males				
ketotestosterone	0.148523	0.682178	0.318667	0.369495
estrogen	0.049739	0.891464	0.186545	0.605840
Females				
ketotestosterone	0.334257	0.345176	0.393136	0.261058
estrogen	0.380960	0.277427	0.388037	0.267846
St. Johns Bridge				
Males				
ketotesterone	0.335119	0.581440	0.408372	0.494882
estrogen	0.461533	0.433944	0.640142	0.244666
Females				
ketotestosterone	0.103075	0.868994	0.058805	0.925170
estrogen	0.136519	0.826720	0.188293	0.761683
Mill Race Pond				
Males				
ketotestosterone	0.258377	0.674723	0.400511	0.504035
estrogen	0.732530	0.159223	0.609868	0.274752
Females				
ketotestosterone	0.765950	0.131048	0.692713	0.194779
estrogen	0.433393	0.465985	0.594603	0.290268