

From: [Reid, Rebekah N](#)
To: [Marshall, Michael E](#); [Endries, Mark](#)
Subject: Future EO Scores
Date: Wednesday, April 18, 2018 8:51:49 AM
Attachments: [HENA All Buffers Maxent and SLEUTH SMART - Copy.xlsx](#)
Importance: High

Mike and Mark,

Attached is a spreadsheet with scores for our future EOs in NC and SC. Right now everything is weighted the same. You can input different weights in the boxes, and the "weighted sum" (column U) and "final score" (column V) will change. Column X and Y are pasted values so that takes a manual update for sorting.

Current is going to take a little bit longer because I will need to identify an abundance category for each EO (we have it at the population level). Or, should we stick with population level for current?

I'd like to go ahead and discuss the future tables to make sure we are all on the same page before I move forward with the current tables.

I have my review at 9 but would be available to talk by 10. If that works for ya'll, Mike-can you send a WebEx invite?

Thanks!

Rebekah Reid

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		Abundance	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
OBJECTID	EO_Code	Category	MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
3	10		0.32587911	0.154309095	0.15477089	0.021133335	0.33021332	0
1	106		0.386816843	0.205063114	0.198873958	0.035330011	0.439267083	0.383017374
4	107		0.137324083	0.079253089	0.000403774	0	0.079656863	0.400685708
6	113		0.464107471	0.248528888	0.322879345	0.039025982	0.610434215	0.069545616
7	114		0.417998422	0.207390802	0.262997563	0.041992126	0.512380491	0.095450853
8	115		0.371340801	0.183841869	0.204225693	0.029204504	0.417272067	0.259619809
12	122		0.1237073	0.062674236	0.000261354	0	0.062935591	0.388430712
13	124		0.117167111	0.018419816	0.008919919	0	0.027339735	0.087334449
14	125		0.151678835	0.023118206	0.024927951	0	0.048046157	0.41262169
15	13		0.308763898	0.13436903	0.081039044	0.00814432	0.223552393	0.301254103
16	130		0.17402765	0.073437641	0.058092912	0	0.131530554	0.239697326
17	14		0.605556599	0.216070748	0.467647868	0.156113722	0.839832338	0.06888522
18	149		0.638180831	0.170926833	0.53264262	0.172605879	0.876175332	0.029709229
21	154		0.296548721	0.156930396	0.113108101	0.005393234	0.275431731	0.217981078
22	157		0.198454409	0.157579806	0.003269582	0	0.160849388	0
23	158		0.357607743	0.095217949	0.199108654	0.071358756	0.365685359	0.046244967
24	159		0.617338196	0.258435417	0.339191826	0.242933221	0.840560464	0.595371023
25	16		0.178505342	0.097176129	0.010459879	0	0.107636008	0.474694797
26	160		0.619878744	0.189449246	0.371537656	0.243155832	0.804142734	0.318133018
27	161		0.636984164	0.181683057	0.365655261	0.277156189	0.824494506	0.303221113
28	162		0.318954009	0.181498628	0.1282423	0.023810637	0.333551565	0.579592218
29	163		0.149108097	0.029938613	0.000528328	0	0.030466942	0.560003019
30	164		0.183231746	0.08019886	0.006734201	0	0.086933061	0.520145044
31	165		0.133578795	0.053370192	0.000271912	0	0.053642104	0.557388441
32	166		0.136258058	0.06403912	0.000263535	0	0.064302656	0.400632485
33	167		0.295168069	0.312154446	0.057883169	0	0.370037614	0.204885344
34	168		0.193863196	0.188604045	0.004570747	0	0.193174792	0.338588589
35	169		0.302579302	0.363128492	0.0480532	0	0.411181692	0.116552761
37	170		0.174379382	0.146326717	0.006104934	0	0.152431651	0.395729495
38	172		0.38610324	0.181839919	0.223623648	0.029537032	0.435000598	0.066052962
39	173		0.300355061	0.135693596	0.144497978	0.009908515	0.290100089	0.475608707
40	174		0.423925065	0.211656719	0.263105143	0.043226623	0.517988485	0.158588051

		Abundance	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
OBJECTID	EO_Code	Category	MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
41	175		0.425705117	0.28542112	0.244377939	0.032407012	0.562206071	0.093829272
44	181		0.292978851	0.164550414	0.10272448	0.02176344	0.289038333	0
46	183		0.150672761	0.058369375	0.02995918	0.004592283	0.092920838	0.050636602
47	184		0.188701734	0.085385031	0.101837013	0.00126207	0.188484114	0.185043471
50	189		0.245489645	0.080765788	0.137759522	0.002295631	0.220820941	0.141376224
51	19		0.245291453	0.087053173	0.093507838	0.005950255	0.186511267	0.610809556
53	191		0.337186114	0.149666634	0.17713574	0.023091389	0.349893763	0
54	192		0.346747546	0.152521574	0.176879635	0.0341158	0.363517008	0
57	195		0.212068664	0.164776667	0.015276494	7.22293E-06	0.180060384	0.955737894
58	196		0.226281713	0.116450684	0.056215503	0.035343839	0.208010026	0.665946724
60	198		0.32040421	0.214204201	0.106600121	0.06270043	0.383504753	0.252824083
61	199		0.290834348	0.196019774	0.082577006	0.049119026	0.327715807	0.430396755
62	2		0.189639044	0.034318499	0.086546306	0.000947443	0.121812248	0.074848014
63	20		0.221832129	0.087332876	0.070777625	0.009141812	0.167252314	0.87678551
67	203		0.429105631	0.230468427	0.261731358	0.038311402	0.530511187	0.494689509
70	206		0.36558202	0.213348469	0.163312555	0.026422451	0.403083474	0.656944231
72	208		0.319469538	0.124154012	0.191901781	0.01239901	0.328454803	0.670741508
74	21		0.336937643	0.165635449	0.167378755	0.042096539	0.375110743	0.542911034
77	213		0.361727977	0.173989511	0.203106483	0.039032754	0.416128748	0.716356943
78	219		0.322035046	0.272057967	0.111105447	0.007078357	0.390241771	0.036702592
79	222		0.233314342	0.108642146	0.050433602	0.032433925	0.191509673	0.074160973
81	224		0.217662337	0.094570804	0.049698021	0.028610897	0.172879722	0.165021845
82	225		0.235685959	0.130593399	0.060558459	0.022028598	0.213180457	0.121410535
83	227		0.548324541	0.293116213	0.490840953	0.024473736	0.808430903	0.049474118
84	229		0.278584903	0.192494827	0.069477976	0	0.261972803	0.208587899
85	23		0.153279309	0.06519416	0.029970578	0	0.095164738	0.08043967
87	231		0.40996966	0.215053368	0.228113115	0.072070912	0.515237394	0
88	233		0.531802218	0.162767883	0.417064657	0.120526412	0.700358952	0.13819642
91	237		0.667676932	0.198482406	0.585121463	0.161209628	0.944813497	0.048335094
92	238		0.506088277	0.149448751	0.350506873	0.145090034	0.645045658	1.97227E-05
93	239		0.631301668	0.201091282	0.54919187	0.140037652	0.890320803	0.053997796
94	240		0.572731153	0.144460148	0.426741008	0.178527055	0.74972821	0

		Abundance	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
OBJECTID	EO_Code	Category	MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
95	241		0.620758715	0.204192775	0.491696446	0.164161935	0.860051155	0.033312121
96	242		0.525562434	0.155716969	0.416654043	0.094411791	0.666782804	0
102	254		0.541401037	0.153998731	0.340873027	0.179712068	0.674583826	0.063818124
103	255		0.527991938	0.156260049	0.351698383	0.150669414	0.658627846	0.059165717
104	256		0.541507364	0.163964799	0.36247037	0.154810233	0.681245402	0.125929761
105	258		0.194610026	0.04067809	0.069212556	0	0.109890646	0.509324351
106	259		0.252327051	0.159477297	0.080691792	0	0.240169089	0
107	262		0.293938654	0.097103076	0.10798869	0.022664521	0.227756286	0.499298655
112	267		0.291008995	0.146007668	0.120918662	0.010680705	0.277607035	0.000121717
113	268		0.325194785	0.103073168	0.183321204	0.023317869	0.309712241	0
114	269		0.489994876	0.08324566	0.290592671	0.17175171	0.54559004	0
116	270		0.459541949	0.113353681	0.189178345	0.183740292	0.486272318	0.010431892
117	271		0.257809192	0.065533235	0.106104354	0.067540034	0.239177622	0
118	272		0.332393296	0.277450504	0.125719665	0.00038868	0.403558849	0.706036682
119	273		0.280645975	0.129640223	0.10541978	0.023094618	0.258154621	0
120	274		0.497641317	0.19051637	0.404819743	0.079379582	0.674715695	0
121	275		0.123631454	0.000267364	0	0	0.000267364	0
122	276		0.41805992	0.211453975	0.239212779	0.04954864	0.500215395	0.209503776
125	279		0.324139104	0.090788516	0.066543382	0.037197599	0.194529497	0.888346571
126	28		0.426452852	0.22095352	0.208795935	0.115103901	0.544853356	0.288126025
127	280		0.63821305	0.163864632	0.349371899	0.300356842	0.813593374	0.297861847
128	281		0.636667276	0.158584917	0.336344562	0.310671407	0.805600886	0.356545052
129	282		0.642428485	0.172156673	0.340751767	0.311341345	0.824249785	0.507004438
130	283		0.645840858	0.181089038	0.321729683	0.335372692	0.838191413	0.588016181
131	284		0.637115252	0.187168971	0.270717332	0.351984138	0.80987044	0.451041638
133	287		0.148623405	0.026620696	0	0	0.026620696	0.348883573
134	29		0.433138656	0.102858997	0.336246623	0.076189152	0.515294772	0.302293554
135	291		0.212098731	0.046700801	0.088112923	0.013580627	0.148394351	0.843668967
136	292		0.135720215	0.025633351	0.001469428	0	0.027102778	0.828866092
137	293		0.079394741	0.030985468	0	0	0.030985468	0.161644469
138	294		0.362230142	0.211633194	0.18813216	0.039102807	0.438868161	0.607689393
139	296		0.034287702	0	0	0	0	0.050551736

		Abundance	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
OBJECTID	EO_Code	Category	MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
140	297		0.394898866	0.201515424	0.218988421	0.067251593	0.487755438	0.053944888
141	298		0.162237158	0.102198037	0.02538768	0.001266183	0.128851899	0.007113387
142	299		0.117881488	0.049221754	0	0	0.049221754	0
143	3		0.222110387	0.048727553	0.119929143	0.001460407	0.170117103	0.102958676
144	30		0.274663033	0.126899499	0.092909837	0.01752734	0.237336676	0.741096709
145	300		0.091040489	0	0	0	0	0.175479531
146	303		0.310818312	0.254915788	0.092365343	0.004308392	0.351589524	2.05897E-05
147	304		0.306188206	0.263279493	0.100005111	0.001548763	0.364833367	0
148	305		0.300760199	0.147017567	0.141093703	0.017142158	0.305253428	0
149	306		0.039351428	0	0	0	0	0.528012945
150	308		0.149966368	0.005549982	0	0	0.005549982	0.030251582
151	309		0.053143736	0.005359674	0	0	0.005359674	0.000944956
152	31		0.304986512	0.14075292	0.120456282	0.028807581	0.290016783	0.864452571
153	310		0.577603695	0.170740561	0.288676506	0.263064166	0.722481233	0.34967762
154	311		0.153348852	0.061711481	0.021017133	0	0.082728614	0
155	312		0.172435973	0.035669914	0.004411972	0	0.040081886	0.571706904
156	313		0.317199788	0.230297013	0.123007327	0.016388858	0.369693198	0.631306634
157	314		0.309376018	0.096331904	0.147845721	0.055639183	0.299816808	0.37158113
158	315		0.35631284	0.199100147	0.159318377	0.035971168	0.394389691	0.610369736
159	317		0.154757545	0.027966806	0.008983557	0	0.036950363	0.52595763
160	318		0.336367897	0.243397544	0.168859597	0.040744729	0.45300187	0.523842204
161	319		0.431543572	0.191490454	0.282598176	0.043588879	0.517677508	0.103381529
162	32		0.336152053	0.216686398	0.155117074	0.016074717	0.38787819	0.466798211
163	320		0.412196029	0.184370401	0.134938778	0.060125889	0.379435067	0.981398553
164	321		0.235474978	0.068377569	0.120846086	0.011907748	0.201131403	0.643603766
166	34		0.494086395	0.154701852	0.264127424	0.12891092	0.547740195	0.633124362
167	35		0.416850881	0.130626397	0.250793637	0.102618558	0.484038591	0.229791083
169	37		0.414157159	0.138220416	0.233866487	0.059607006	0.431693909	0.172519664
172	4		0.216435279	0.045684562	0.105773531	0.000847318	0.152305411	0.066938122
173	40		0.373850081	0.243524279	0.163962769	0.023789753	0.431276801	0.324046303
174	44		0.198169963	0.074939043	0.091422839	0.003200244	0.169562125	0.591029158
175	45		0.268058889	0.124522669	0.076297127	0.047770942	0.248590738	0.134349618

		Abundance	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
OBJECTID	EO_Code	Category	MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
176	46		0.416718283	0.223368178	0.249927069	0.06445849	0.537753738	0.059487055
177	47		0.281863844	0.126041174	0.05887435	0.006224894	0.191140418	0.958648393
179	49		0.60893763	0.213747437	0.497961604	0.135967188	0.847676229	0.051935858
180	5		0.211781676	0.141108403	0.009475531	0.004433075	0.155017009	0
182	51		0.523124013	0.165008811	0.420691412	0.107642426	0.693342649	0.17646006
183	52		0.464448553	0.188231061	0.312557114	0.039517271	0.540305446	0.000822444
185	54		0.345767693	0.24839828	0.137023872	0.005214733	0.390636885	0.095430343
186	55		0.304467147	0.154501291	0.168959723	0.001290605	0.324751619	0
190	59		0.111481251	0.004450939	0	0	0.004450939	0.494346409
191	6		0.102723719	0.042242368	0	0	0.042242368	0
192	60		0.251197731	0.080880804	0.137596083	0.004758081	0.223234969	0.019795725
193	61		0.407139941	0.133313886	0.286668061	0.00357764	0.423559587	0
199	71		0.298211218	0.224179043	0.133964664	0.016737067	0.374880774	0
201	73		0.597549262	0.180300616	0.461344982	0.167291508	0.808937106	0.012571864
202	74		0.647744807	0.207896735	0.566774234	0.144109086	0.918780056	0.044646925
203	75		0.471869285	0.181651048	0.332271736	0.055760282	0.569683067	0.088035273
204	76		0.418544763	0.194340352	0.257992803	0.038194444	0.490527599	0.103140614
205	77		0.307978692	0.12907259	0.225778971	0.007281018	0.362132578	0.272094335
206	79		0.38929384	0.137149992	0.282249316	0.012390111	0.431789419	0
207	8		0.270564074	0.237977496	0.032451769	0	0.270429265	0.057338094
208	80		0.427133105	0.190410531	0.280360581	0.040272647	0.511043759	0.148498881
211	85		0.421054561	0.328647416	0.207611688	0.035678442	0.571937547	0.050926191
214	9		0.442845027	0.198788192	0.270813232	0.038617046	0.50821847	0
216	91		0.485703164	0.193357324	0.370706431	0.045808365	0.60987212	0

EO_Code	State	EO Rank	Abundance Category	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
				MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
1	NC	D	moderate	0.342664301	0.213257786	0.207417964	0.01192297	0.432598721	0.03381535
5	NC	D	moderate	0.211781676	0.141108403	0.009475531	0.004433075	0.155017009	0
8	NC	D	low	0.270564074	0.237977496	0.032451769	0	0.270429265	0.057338094
15	NC	E	unknown	0.275874436	0.049177951	0.140508431	0.024871492	0.214557873	0
17	NC	D	low	0.497196733	0.138119954	0.340682758	0.131607449	0.610410161	0
18	NC	D	low	0.3615519	0.124539245	0.209274718	0.078404163	0.412218127	0.018928881
25	NC	U	low	0.467625621	0.140304578	0.224846658	0.14932082	0.514472056	0.300918735
27	NC	U	unknown	0.34371702	0.281014741	0.115813372	0.000296131	0.397124243	0.103579889
33	NC	CD	moderate	0.334607194	0.275913039	0.085618111	0.028071369	0.389602518	0
36	NC	CD	???	0.194772836	0.082072468	0.061232008	0	0.143304476	0.119464253
48	NC	D	low	0.139338657	0.03363689	0.027859662	0	0.061496552	0.119045112
57	NC	C	moderate	0.213367374	0.086127105	0.002159232	0	0.088286337	0.795592746
58	NC	D	low	0.416899708	0.191013402	0.249288677	0.051999681	0.49230176	0
64	NC	U	moderate	0.392106725	0.165607066	0.217652556	0.085801348	0.46906097	0.113594482
69	NC	U	moderate	0.461224786	0.116940553	0.328439296	0.109672459	0.555052308	0.19371857
70	NC	D	moderate	0.383250799	0.269059211	0.233315789	0.011078947	0.513453947	0
72	NC	D	moderate	0.521158272	0.230153295	0.307893905	0.142996365	0.681043565	0
83	NC	U	moderate	0.172007382	0.087637969	0	0	0.087637969	0.107873436
84	NC	U	moderate	0.131615679	0.05037713	0.000209517	0	0.050586647	0.007612441
89	NC	U	moderate	0.126902326	0.00375522	0.004401118	0.01759696	0.025753297	0
92	NC	BC	moderate	0.149726846	0.062559722	0.001563631	0	0.064123353	0.295410453
118	NC	A	high	0.421866548	0.180413168	0.290466746	0.003245582	0.474125496	0.086935243
151	NC	C	moderate	0.161318059	0.048307723	0.009264839	0	0.057572562	0.273024003
180	NC	D	moderate	0.209859602	0.141226277	0.014391318	0.005898081	0.161515676	0
187	NC	C	moderate	0.203468097	0.140869331	0.055820213	0.008383798	0.205073341	0.350370071
188	NC	E	moderate	0.240407855	0.166737757	0.084172969	0	0.250910726	0.532186664
194	NC	A	very high	0.511433335	0.253507452	0.279273266	0.142440167	0.675220885	0.184013787
207	NC	C	moderate	0.32939699	0.13419362	0.207036442	0.015431159	0.356661221	0.845563802
210	NC	E	???	0.119992163	0.057675339	0	0	0.057675339	0.284287774
230	NC	D	low	0.541952392	0.145632983	0.384838734	0.154787444	0.685259161	0.130048824
263	NC	E	???	0.219420076	0.172209091	0.040890909	0	0.2131	0.0206
264	NC	E	???	0.246314439	0.0544448803	0.047004026	0.014863749	0.116316577	0.672920107

EO_Code	State	EO Rank	Abundance Category	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
265	NC	E	???	0.276410874	0.056837022	0.170859759	0.007342298	0.23503908	0
266	NC	E	???	0.30201469	0.2250158	0.089153105	0.013983252	0.328152157	0

Objective								
EO_Code	EO Rank	Abundance Category	MAXENT Average	Maxent Classified Percent 0.39 -0.6	Maxent Classified Percent 0.6 - 0.8	Maxent Classified Percent 0.8 - 1	Maxent Percent any class	80% or greater SLEUTH Percent Percent of Total
1	D	2	34	21	21	1	43	3
5	D	2	21	14	1	0	16	0
8	D	1	27	24	3	0	27	6
17	D	1	50	14	34	13	61	0
18	D	1	36	12	21	8	41	2
25	U	1	47	14	22	15	51	30
33	CD	2	33	28	9	3	39	0
48	D	1	14	3	3	0	6	12
57	C	2	21	9	0	0	9	80
58	D	1	42	19	25	5	49	0
64	U	2	39	17	22	9	47	11
69	U	2	46	12	33	11	56	19
70	D	2	38	27	23	1	51	0
72	D	2	52	23	31	14	68	0
83	U	2	17	9	0	0	9	11
84	U	2	13	5	0	0	5	1
89	U	2	13	0	0	2	3	0
92	BC	2	15	6	0	0	6	30
118	A	3	42	18	29	0	47	9
151	C	2	16	5	1	0	6	27
180	D	2	21	14	1	1	16	0
187	C	2	20	14	6	1	21	35
188	E	2	24	17	8	0	25	53
194	A	4	51	25	28	14	68	18
207	C	2	33	13	21	2	36	85
230	D	1	54	15	38	15	69	13
Min		1	13	0	0	0	3	0
Max		4	54	28	38	15	69	85
Goal		Max	Max	Max	Max	Max	Max	Min

Standardized Objective								
EO_Code	EO Rank	Abundance Category	MAXENT Average	Maxent Classified Percent 0.39 -0.6	Maxent Classified Percent 0.6 - 0.8	Maxent Classified Percent 0.8 - 1	Maxent Percent any class	80% or greater SLEUTH Percent Percent of Total
1	D	33	52	77	54	8	62	96
5	D	33	20	50	2	3	20	100
8	D	0	35	86	8	0	37	93
17	D	0	89	49	89	85	89	100
18	D	0	57	44	54	51	59	98
25	U	0	82	50	58	96	74	64
33	CD	33	50	100	22	18	55	100
48	D	0	3	11	7	0	5	86
57	C	33	21	30	1	0	9	6
58	D	0	70	69	65	34	71	100
64	U	33	64	59	57	55	67	87
69	U	33	81	42	85	71	80	77
70	D	33	62	97	61	7	74	100
72	D	33	95	83	80	92	99	100
83	U	33	11	31	0	0	9	87
84	U	33	1	17	0	0	4	99
89	U	33	0	0	1	11	0	100
92	BC	33	5	22	0	0	6	65
118	A	67	71	65	75	2	68	90
151	C	33	8	16	2	0	5	68
180	D	33	20	51	4	4	21	100
187	C	33	18	50	15	5	27	59
188	E	33	27	60	22	0	34	37
194	A	100	93	92	73	92	98	78
207	C	33	49	48	54	10	50	0
230	D	0	100	52	100	100	100	85
Weights								
		100	100	100	100	100	100	100

Total
700

Weighted Sum	Final Score
38159	55
22918	33
25943	37
50079	72
36231	52
42568	61
37893	54
11256	16
10038	14
40779	58
42247	60
46902	67
43431	62
58326	83
17165	25
15452	22
14585	21
13173	19
43792	63
13294	19
23197	33
20784	30
21364	31
62572	89
24399	35
53675	77

EO_Code	Final Score
1	
5	
8	
17	
18	
25	
33	
48	
57	
58	
64	
69	
70	
72	
83	
84	
89	
92	
118	
151	
180	
187	
188	
194	
207	
230	

OBJECTID		Abundance	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
	EO_Code	Category	MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
218	1		0.210105749	0.075427309	0.014643749	0.004321106	0.094392164	0
219	2		0.005855896	0	0	0	0	0.044556802
220	3		0.00132675	0	0	0	0	0.244835869
221	4		0.131459397	0.04388529	0.009934429	0.000948017	0.054767736	0.104676884
222	5		0.001093454	0	0	0	0	0.643907126
223	6		0.001043344	0	0	0	0	0.357572242
224	7		0.273338716	0.205420896	0.041929493	0.000704428	0.248054817	0.353975217
225	8		0.001066218	0	0	0	0	0.143594878
226	9		0.107228735	0.026614368	0.016749151	0.000236923	0.043600442	0.99549846
227	10		0.002083703	0	0	0	0	0.010602857
228	11		0.135134135	0	0	0	0	0
229	11		0.13501495	0.026582461	0.012806967	0	0.039389428	0.520251017
230	12		0.196490715	0.064830174	0.023420221	0.00376514	0.092015534	0
231	13		0.070496203	0.000710751	1.97431E-05	0	0.000730494	1
232	14		0.135811843	0.02311522	0.010668563	0	0.033783784	0.432827564
233	15		0.001090887	0	0	0	0	0.043345286
234	16		0.22429956	0.019309264	0.089218939	0.000237004	0.108765208	0.383367567
235	17		0.220659488	0.024566969	0.084223965	0.000236917	0.109027851	0.329393493
236	18		0.194185014	0.022248105	0.064921562	0	0.087169667	0.52116235
237	19		0.116126355	0.024818912	0.016554721	0	0.041373634	0.653733702
238	20		0.050810072	0	0	0	0	1
239	21		0.048080171	0	0	0	0	0.903866909
240	22		0.002345763	0	0	0	0	0
241	23		0.002395637	0	0	0	0	0
242	24		0.040877966	0	0	0	0	0.028441261
243	25		0.13772829	0.017530929	0.001421427	0	0.018952356	0.477362464
244	26		0.124751354	0.020120844	0.009477924	0	0.029598768	0.645236027
245	27		0.175649648	0.046074396	0.046383747	0.005549383	0.098007525	0.400792949
246	28		0.187799316	0.064320708	0.055523363	0.00877759	0.128621661	0.485144603
247	29		0.289648741	0.169405599	0.082958047	0.01556451	0.267928156	0.15377525
248	30		0.068564822	0.016071476	0	0	0.016071476	0.875220563
249	31		0.336849223	0.246084868	0.091152922	0.023114492	0.360352282	0.002017614

OBJECTID		Abundance	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
	EO_Code	Category	MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total
250	32		0.07114455	0.000237011	0	0	0.000237011	0.930239907
251	33		0.016855884	0	0	0	0	0.201042462
252	34		0.312993093	0.126380663	0.077589243	0.030934849	0.234904754	0.012710101
253	35		0.233282331	0.133547385	0.023756526	0.010545111	0.167849022	0.528104282
254	36		0.057242794	0	0	0	0	0
255	37		0.244995081	0.125016005	0.037860115	0.020398528	0.183274648	0
256	38		0.051597395	0	0	0	0	0.366152072
257	39		0.058401237	0	0	0	0	0.013514812
258	40		0.055225739	0	0	0	0	0.195587435
259	41		0.112710894	0.017706199	0	0	0.017706199	0.865394467
260	42		0.03006045	0	0	0	0	0.059912261
261	43		0.226129975	0.087281376	0.001097123	0	0.0883785	0.430841181
262	44		0.234999924	0.137898786	0.002845175	0.002608077	0.143352038	0.033720593
263	45		0.178849531	0.032820603	0.033660926	0.00932358	0.075805109	6.40246E-05
264	46		0.099032379	0.0129533	0.002016129	0	0.014969429	0.961469534
265	47		0.146765247	0.03161033	0.031807771	0.004685937	0.068104038	0.462670458
266	48		0.131756619	0.022509478	0.010662384	0	0.033171862	0.422414701
267	49		0.083504359	0.005926667	0	0	0.005926667	0.701559372
268	50		0.050442927	0.00561746	0	0	0.00561746	0.543596228
269	51		0.001669924	0	0	0	0	0.349996049
270	52		0.001171331	0	0	0	0	0.001712239
271	53		0.103346732	0.016141141	0.00803435	0	0.024175491	0.661345556
272	54		0.089266357	0.008533951	0	0	0.008533951	0.912974767
273	55		0.039702974	0	0	0	0	0.98909723
274	56		0.135078913	0.047015358	0.015963752	0	0.06297911	0.958457364
275	57		0.147642765	0.020131666	0.033449638	0.002606978	0.056188282	0.384990125
276	59		0.039845944	0.004082811	0	0	0.004082811	0.166776641
277	60		0.165057926	0.029359778	0.023020943	0.006582636	0.058963357	0.123972987

EO_Code	State	EO Rank	Abundance Estimate	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent		rank out
				MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total		
1	SC	BD	moderate	0.210105749	0.075427309	0.014643749	0.004321106	0.094392164	0		good
2	SC	BD	moderate	0.005855896	0	0	0	0	0.044556802		poor
3	SC	H	???	0.00132675	0	0	0	0	0.244835869		terrible
4	SC	CD	low	0.131459397	0.04388529	0.009934429	0.000948017	0.054767736	0.104676884		poor
5	SC	CD	moderate	0.001093454	0	0	0	0	0.643907126		poor
6	SC	CD	low	0.001043344	0	0	0	0	0.357572242		poor
8	SC	BD	moderate	0.001066218	0	0	0	0	0.143594878		borderline
9	SC	CD	???	0.107228735	0.026614368	0.016749151	0.000236923	0.043600442	0.99549846		terrible
10	SC	H	???	0.002083703	0	0	0	0	0.010602857		poor
12	SC	H	???	0.196490715	0.064830174	0.023420221	0.00376514	0.092015534	0		borderline
13	SC	BD	low	0.070496203	0.000710751	1.97431E-05	0	0.000730494	1		terrible
15	SC	AC	low	0.001090887	0	0	0	0	0.043345286		poor
19	SC	BC	low	0.116126355	0.024818912	0.016554721	0	0.041373634	0.653733702		poor
20	SC	BD	moderate	0.050810072	0	0	0	0	1		terrible
21	SC	BD	high	0.048080171	0	0	0	0	0.903866909		poor-borderline
22	SC	BD	low	0.002345763	0	0	0	0	0		poor
23	SC	BD	???	0.002395637	0	0	0	0	0		poor
24	SC	CD	low	0.040877966	0	0	0	0	0.028441261		poor
25	SC	CD	low	0.13772829	0.017530929	0.001421427	0	0.018952356	0.477362464		poor-borderline
30	SC	BD	moderate	0.068564822	0.016071476	0	0	0.016071476	0.875220563		poor
31	SC	H	???	0.336849223	0.246084868	0.091152922	0.023114492	0.360352282	0.002017614		borderline
32	SC	BD	moderate	0.07114455	0.000237011	0	0	0.000237011	0.930239907		poor
33	SC	BD	moderate	0.016855884	0	0	0	0	0.201042462		borderline
34	SC	BD	low	0.312993093	0.126380663	0.077589243	0.030934849	0.234904754	0.012710101		borderline
35	SC	BD	low	0.233282331	0.133547385	0.023756526	0.010545111	0.167849022	0.528104282		poor
36	SC	MD	moderate	0.057242794	0	0	0	0	0		borderline
37	SC	CD	low	0.244995081	0.125016005	0.037860115	0.020398528	0.183274648	0		borderline
38	SC	BD	very high	0.051597395	0	0	0	0	0.366152072		great
39	SC	CD	low	0.058401237	0	0	0	0	0.013514812		poor
40	SC	BD	moderate	0.055225739	0	0	0	0	0.195587435		borderline
41	SC	CD	low	0.112710894	0.017706199	0	0	0.017706199	0.865394467		poor
42	SC	BD	moderate	0.03006045	0	0	0	0	0.059912261		borderline
43	SC	CD	low	0.226129975	0.087281376	0.001097123	0	0.0883785	0.430841181		borderline
44	SC	H	???	0.234999924	0.137898786	0.002845175	0.002608077	0.143352038	0.033720593		borderline
45	SC	U	???	0.178849531	0.032820603	0.033660926	0.00932358	0.075805109	6.40246E-05		borderline
46	SC	CD	low	0.099032379	0.0129533	0.002016129	0	0.014969429	0.961469534		terrible
49	SC	AB	high	0.083504359	0.005926667	0	0	0.005926667	0.701559372		borderline

EO_Code	State	EO Rank	Abundance Estimate	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent		rank out
				MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.8 - 1	Percent any class	Percent of Total		
50	SC	BD	moderate	0.050442927	0.00561746	0	0	0.00561746	0.543596228		poor
51	SC	BC	low	0.001669924	0	0	0	0	0.349996049		poor
52	SC	AC	high	0.001171331	0	0	0	0	0.001712239		great
53	SC	BC	moderate	0.103346732	0.016141141	0.00803435	0	0.024175491	0.661345556		borderline
54	SC	BD	moderate	0.089266357	0.008533951	0	0	0.008533951	0.912974767		poor
55	SC	CD	low	0.039702974	0	0	0	0	0.98909723		terrible
56	SC	BD	moderate	0.135078913	0.047015358	0.015963752	0	0.06297911	0.958457364		poor
59	SC	BD	moderate	0.039845944	0.004082811	0	0	0.004082811	0.166776641		borderline
60	SC	BD	very high	0.165057926	0.029359778	0.023020943	0.006582636	0.058963357	0.123972987		great

		Objective						
EO_Code	EO Rank	Abundance Estimate	MAXENT Average MEAN	Maxent Classified Percent 0.39 -0.6	Maxent Classified Percent 0.6 - 0.8	Maxent Classified Percent 0.8 - 1	Maxent Percent any class	80% or greater SLEUTH Percent Percent of Total
1	BD	2	21	8	1	0	9	0
2	BD	2	1	0	0	0	0	4
4	CD	1	13	4	1	0	5	10
5	CD	2	0	0	0	0	0	64
6	CD	1	0	0	0	0	0	36
8	BD	2	0	0	0	0	0	14
13	BD	1	7	0	0	0	0	100
15	AC	1	0	0	0	0	0	4
19	BC	1	12	2	2	0	4	65
20	BD	2	5	0	0	0	0	100
21	BD	4	5	0	0	0	0	90
22	BD	1	0	0	0	0	0	0
24	CD	1	4	0	0	0	0	3
25	CD	1	14	2	0	0	2	48
30	BD	2	7	2	0	0	2	88
32	BD	2	7	0	0	0	0	93
33	BD	2	2	0	0	0	0	20
34	BD	1	31	13	8	3	23	1
35	BD	1	23	13	2	1	17	53
36	MD	2	6	0	0	0	0	0
37	CD	1	24	13	4	2	18	0
38	BD	4	5	0	0	0	0	37
39	CD	1	6	0	0	0	0	1
40	BD	2	6	0	0	0	0	20
41	CD	1	11	2	0	0	2	87
42	BD	2	3	0	0	0	0	6
43	CD	1	23	9	0	0	9	43
46	CD	1	10	1	0	0	1	96
49	AB	3	8	1	0	0	1	70
50	BD	2	5	1	0	0	1	54
51	BC	1	0	0	0	0	0	35
52	AC	3	0	0	0	0	0	0
53	BC	2	10	2	1	0	2	66
54	BD	2	9	1	0	0	1	91
55	CD	1	4	0	0	0	0	99
56	BD	2	14	5	2	0	6	96
59	BD	2	4	0	0	0	0	17
60	BD	4	17	3	2	1	6	12
Min		1	0	0	0	0	0	0
Max		4	31	13	8	3	23	100
Goal		Max	Max	Max	Max	Max	Max	Min

		Objective						
EO_Code	EO Rank	Abundance Estimate	MAXENT Average	Maxent Classified	Maxent Classified	Maxent Classified	Maxent	80% or greater SLEUTH Percent
			MEAN	Percent 0.39 -0.6	Percent 0.6 - 0.8	Percent 0.6 - 1	Percent any class	Percent of Total
1	BD	33	67	56	19	14	40	100
2	BD	33	2	0	0	0	0	96
4	CD	0	42	33	13	3	23	90
5	CD	33	0	0	0	0	0	36
6	CD	0	0	0	0	0	0	64
8	BD	33	0	0	0	0	0	86
13	BD	0	22	1	0	0	0	0
15	AC	0	0	0	0	0	0	96
19	BC	0	37	19	21	0	18	35
20	BD	33	16	0	0	0	0	0
21	BD	100	15	0	0	0	0	10
22	BD	0	0	0	0	0	0	100
24	CD	0	13	0	0	0	0	97
25	CD	0	44	13	2	0	8	52
30	BD	33	22	12	0	0	7	12
32	BD	33	22	0	0	0	0	7
33	BD	33	5	0	0	0	0	80
34	BD	0	100	95	100	100	100	99
35	BD	0	74	100	31	34	71	47
36	MD	33	18	0	0	0	0	100
37	CD	0	78	94	49	66	78	100
38	BD	100	16	0	0	0	0	63
39	CD	0	18	0	0	0	0	99
40	BD	33	17	0	0	0	0	80
41	CD	0	36	13	0	0	8	13
42	BD	33	9	0	0	0	0	94
43	CD	0	72	65	1	0	38	57
46	CD	0	31	10	3	0	6	4
49	AB	67	26	4	0	0	3	30
50	BD	33	16	4	0	0	2	46
51	BC	0	0	0	0	0	0	65
52	AC	67	0	0	0	0	0	100
53	BC	33	33	12	10	0	10	34
54	BD	33	28	6	0	0	4	9
55	CD	0	12	0	0	0	0	1
56	BD	33	43	35	21	0	27	4
59	BD	33	12	3	0	0	2	83
60	BD	100	53	22	30	21	25	88
Weights								
		100	100	100	100	100	100	100

Total
700

Final Score		Final Score	
Weighted Sum	EO_Code	Weighted Sum	EO_Code
32986	47	1	
13042	19	2	
20338	29	4	
6896	10	5	
6424	9	6	
11898	17	8	
2313	3	13	
9568	14	15	
12905	18	19	
4929	7	20	
12469	18	21	
10042	14	22	
10993	16	24	
11911	17	25	
8633	12	30	
6306	9	32	
11830	17	33	
59336	85	34	
35780	51	35	
15135	22	36	
46457	66	37	
17959	26	38	
11704	17	39	
13114	19	40	
7005	10	41	
13664	20	42	
23346	33	43	
5394	8	46	
12991	19	49	
10141	14	50	
6520	9	51	
16654	24	52	
13273	19	53	
8034	11	54	
1348	2	55	
16304	23	56	
13389	19	59	
33821	48	60	

From: [Marshall, Michael E](#)
To: [Reid, Rebekah N](#)
Cc: [Endries, Mark](#)
Subject: Re: Future EO Scores
Date: Wednesday, April 18, 2018 9:08:20 AM
Importance: High

Hi Rebekah,

10 am est works for me. I'll send an invite out.

Thanks!

Mike

On Wed, Apr 18, 2018 at 8:51 AM, Reid, Rebekah <rebekah_reid@fws.gov> wrote:
Mike and Mark,

Attached is a spreadsheet with scores for our future EOs in NC and SC. Right now everything is weighted the same. You can input different weights in the boxes, and the "weighted sum" (column U) and "final score" (column V) will change. Column X and Y are pasted values so that takes a manual update for sorting.

Current is going to take a little bit longer because I will need to identify an abundance category for each EO (we have it at the population level). Or, should we stick with population level for current?

I'd like to go ahead and discuss the future tables to make sure we are all on the same page before I move forward with the current tables.

I have my review at 9 but would be available to talk by 10. If that works for ya'll, Mike-can you send a WebEx invite?

Thanks!

Rebekah Reid

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Asheville Ecological Services Field Office
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cell: 828-782-0090

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Work Schedule 1st Week

Monday-Thursday --> In Office 7:30-4:30 CST

Work Schedule 2nd Week

Monday-Thursday --> In Office 7:30-4:30 CST

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