

FILED

AUG 15 2000

CLERK, U. S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA

BY \_\_\_\_\_ DEPUTY CLERK

1  
2  
3  
4  
5  
6  
7  
8 IN THE UNITED STATES DISTRICT COURT  
9 FOR THE EASTERN DISTRICT OF CALIFORNIA

10 NATIONAL WILDLIFE FEDERATION,  
11 et al.

12 Plaintiffs,

13 v.

14 BRUCE BABBITT, in his official  
15 capacity as Secretary of the  
16 United States Department of the  
17 Interior,

18 Defendant.

Civ. S-99-274 DFL JEM

MEMORANDUM OF OPINION AND  
ORDER

19  
20 Plaintiffs challenge the United States Fish and Wildlife  
21 Service's issuance of an incidental take permit to allow  
22 development in the Natomas Basin, a 53,000 acre tract of largely  
23 undeveloped land stretching to the North of the City of  
24 Sacramento. The Natomas Basin contains habitat of the Giant  
25 Garter Snake, a threatened species under the federal Endangered  
26 Species Act, and the Swainson's hawk, a threatened species under  
the California Endangered Species Act. The parties now bring

1 cross-motions for summary judgment.

2 I. Background and Procedural History

3 A. The Natomas Basin

4 The Natomas Basin ("Basin") is a low-lying region of  
5 predominately agricultural lands in the Sacramento Valley  
6 consisting of approximately 53,000 acres. The Basin is part of a  
7 larger flood plain known as the American Basin, and is situated  
8 at the northern end of the City of Sacramento ("City").  
9 Approximately 22% of the area of the Basin is within the City  
10 limits, with the remainder to the north, in the jurisdiction of  
11 Sacramento and Sutter Counties. Because the area was subject  
12 until recently to frequent flooding, the Basin has remained  
13 relatively immune from development despite its proximity to a  
14 growing metropolitan region. The Basin provides habitat or  
15 potential habitat for a number of species listed as endangered or  
16 threatened under federal or state law. (See Administrative  
17 Record (hereinafter "AR") 6:886 at 48-50.) Of the 11,387 acres  
18 of the Basin that lie within the City, approximately 30% has been  
19 developed, while roughly 55% is in crop land and 15% is vacant or  
20 in its natural state. (See AR 10:1657 at III-5.) The land  
21 containing natural vegetation is primarily located along  
22 irrigation canals, drainage ditches, pastures, and uncultivated  
23 fields. (See Def.'s Mem. P. & A. at 11.)

24 In 1986, heavy spring rains caused significant flood damage  
25 in the Sacramento area. In response, the Army Corps of Engineers  
26 ("Corps") undertook a study of proposals to improve flood control

1 measures. This study culminated in the Corps' issuance, in 1991,  
2 of the "American River Watershed Investigation Feasibility  
3 Report" ("Feasibility Report"). The Feasibility Report proposed  
4 to provide 200 year flood protection through construction of the  
5 Auburn Dam and a series of levee improvements. (See Def.'s Mem.  
6 P. & A. at 12.)

7 The United States Fish and Wildlife Service ("the Service")  
8 reacted to the Corps' proposal with concern, noting the  
9 importance of the Basin to waterfowl using the Pacific Flyway for  
10 migration and to certain native species listed as endangered or  
11 threatened under federal or state law. (See AR 6:886.) The  
12 Service issued a report in 1991, the "American River Watershed  
13 Investigation, Natomas Area," (AR 6:886) ("1991 Report"), that  
14 examined the "indirect impacts" from development likely to result  
15 from flood control in the Basin. The 1991 Report considered a  
16 41,000 acre subarea of the Basin that provided upland or wetland  
17 habitat and concluded that nearly the entire area -- 39,200 acres  
18 -- would be developed if a 200 year flood control plan were  
19 implemented. (See id. at 60-65 & Tbls. 5-7.) The 1991 Report  
20 found that the biological effects of this degree of urbanization  
21 in the Basin would be a dramatic loss of wildlife habitat. (Id.  
22 at 64.)

23 The 1991 Report contained an extensive discussion of  
24 potential means of mitigating for the urbanization that would  
25 follow upon flood control. The 1991 Report recommended that an  
26 area totaling 17,650 acres in the Natomas Area be acquired and

1 managed as a wetland/upland complex, to offset the expected loss  
2 of 22,717 acres of such habitat. Excluding acquisition costs,  
3 the 1991 Report anticipated the nonrecurring cost for development  
4 of acquired lands into habitat at approximately \$171,675,000 -  
5 over \$9700 per acre. In addition, the Report estimated annual  
6 management costs of \$8,825,000, or \$500 per acre.

7 In 1991, the Sacramento Area Flood Control Authority  
8 ("SAFCA") began the process of applying for an incidental take  
9 permit ("ITP") under § 10 of the Endangered Species Act ("ESA"),  
10 16 U.S.C. §§ 1531 et seq. The ITP application was intended to  
11 permit implementation of the Corps' proposed 200-year flood  
12 control project, consistent with the requirements of the federal  
13 and state statutes protecting endangered species. In 1992,  
14 however, after Congress discontinued funding for study of the  
15 proposed Auburn Dam project -- an integral part of the Corps'  
16 200-year flood protection plan -- SAFCA redirected its energies  
17 toward a more modest flood control project, designed to achieve  
18 100-year flood protection in the Natomas area. In order to  
19 implement the flood control project, SAFCA applied to the Corps  
20 for a permit under § 404 of the Clean Water Act, 33 U.S.C. §§  
21 1251 et seq., to permit the discharge of fill material into  
22 certain wetlands and waterways in the basin. In reviewing this  
23 request, the Corps considered the direct effects of the proposed  
24 discharges, but initially declined to consider the indirect  
25 effects of the flood control project, namely, the urbanization  
26 likely to ensue. However, as a result of the Fish and Wildlife

1 Service's insistence on this issue, the Corps agreed, in November  
2 1993, to require SAFCA to address the urban development that  
3 would occur as a result of the requested § 404 permit.

4 In 1993, the Service listed the Giant Garter Snake ("GGS")  
5 as a threatened species under the ESA. The listing notice  
6 identified 13 distinct populations of the GGS, of which the  
7 American Basin population was one of the largest. See 58 Fed.  
8 Reg. 54053 (Oct. 20, 1993). The Natomas Basin population is a  
9 subpopulation of the American Basin population of the GGS. After  
10 the listing of the GGS, "interest renewed . . . in developing a  
11 habitat conservation plan." (Def.'s Mem. P. & A. at 15.) In  
12 January 1994, the Natomas Basin Habitat Conservation Plan Working  
13 Group ("Working Group") was formed, and began development of a  
14 habitat conservation plan ("Plan," or "HCP"),<sup>1</sup> as required to  
15 qualify for an ITP. The Working Group was comprised of  
16 "representatives of land owners of a large proportion of the  
17 affected area." (AR 23:03931.)

18 In March 1994, the Service issued a Biological Opinion  
19  
20

---

21 <sup>1</sup> Section 10 of the ESA allows the Secretary to issue an  
22 incidental take permit ("ITP"), authorizing its holder to take  
23 some members of protected species when such taking is incidental  
24 to carrying out an otherwise lawful activity. See 16 U.S.C. §  
25 1539(a). To obtain an ITP, an applicant must develop and submit  
26 an HCP; which specifies (1) the likely impact from the proposed  
takings; (2) the steps the applicant will take to minimize and  
mitigate such impacts and the funding available for such  
mitigation; (3) alternative actions considered, and the reasons  
for not selecting them; and (4) such other measures as the  
Secretary may require as necessary or appropriate for the  
purposes of the plan. See 16 U.S.C. § 1539(a)(2)(A); see also  
Part II.A, infra.

1 ("1994 Biological Opinion") regarding SAFCA's proposed flood  
2 control project.<sup>2</sup> (See AR 1:227.) The 1994 Biological Opinion  
3 noted that "nine of the twelve other extant populations [of the  
4 GGS are] on the verge of extinction," and expressed the Service's  
5 opinion that, given "the severe, declining trends in habitat  
6 suitability/availability and population levels throughout 75  
7 percent of the range of the species," the American Basin  
8 population of GGS was "vital to the survival of the species."  
9 (Id. at 231.) In addition, the 1994 Biological Opinion noted  
10 that, absent measures to mitigate the expected urbanization of  
11 existing GGS habitat, "this flood control project and consequent  
12 urban development could extirpate the giant garter snake from the  
13 American Basin." (Id. at 230.) The 1994 Biological Opinion  
14 nevertheless concluded that the project would not likely "reduce  
15 appreciably the likelihood of the survival and recovery of the  
16 giant garter snake by adversely affecting reproduction, numbers  
17 and distribution of the species." (Id. at 231.) This conclusion  
18 was premised on five conditions proposed by the Corps as  
19 limitations on any permit to be issued to SAFCA: (i)  
20 preconstruction surveys for the GGS; (ii) the use of measures to  
21

---

22 <sup>2</sup> Under § 7 of the ESA, the Service may not undertake action  
23 that may affect a listed species unless it first finds that the  
24 action "is not likely to jeopardize the continued existence of" a  
25 protected species, or result in the destruction or adverse  
26 modification of critical habitat. 16 U.S.C. § 1536(a)(2); see  
"biological opinion," which addresses whether jeopardy is likely  
to occur for any protected species, and if so, whether  
"reasonable and prudent alternatives" exist to avoid jeopardy.  
See Part II.A, infra.

1 minimize incidental take; (iii) compensation for any direct  
2 losses of GGS habitat; (iv) completion of a habitat management  
3 plan that ensures the conservation needs of the GGS; and (v)  
4 execution of an agreement by the City, Sacramento and Sutter  
5 Counties, and the Service, to guarantee implementation of the  
6 plan. (See id. at 228, 231.) Most important among these  
7 conditions were numbers (iv) and (v), which the 1994 Biological  
8 Opinion characterized as

9 a special permit condition that would establish a  
10 multispecies habitat conservation plan for the 55,000-acre  
11 lower American Basin, scheduled for completion prior to the  
12 start of construction of the proposed pumping station. An  
13 element of this habitat management plan would include an  
14 agreement among local governments and the Service that  
15 guarantees the conservation needs of the giant garter snake.

16 (Id. at 231.)

17 In May 1994, landowners in the Working Group responded to  
18 the 1994 Biological Opinion by commissioning a team of  
19 consultants to begin preparing a draft HCP and an accompanying  
20 application for an ITP under ESA § 10. SAFCA subsequently  
21 released a draft HCP for public comment in March 1995. (See AR  
22 24:4190.) Extensive public comments were received, and the  
23 Working Group released summaries of the comments, including  
24 explanations of which comments were being addressed by revision  
25 of relevant documents. The Service also provided comments in  
26 response to the 1995 draft HCP, and expressed concern over  
certain provisions of the Plan. The Service did, however, accept  
certain significant provisions of the Plan, including its  
proposed mitigation ratio of 0.5:1, whereby one-half acre of land

1 would be acquired and conserved for each acre that was developed,  
2 and the Plan's estimate that only 17,500 acres in the basin would  
3 be developed over the 50 year life of the Plan.

4 In October 1995, and again in June 1996, SAFCA published  
5 revised HCPs, incorporating some of the comments rendered on  
6 earlier drafts. (See AR 21:3680; 19:3440.) Subsequently, the  
7 City of Sacramento took over for SAFCA as the prospective  
8 permittee, and in December 1996, the City submitted its  
9 application for an ITP, consisting of a draft HCP, draft  
10 Implementation Agreement and other supporting documents. Upon  
11 receipt of this application, the Service prepared a draft  
12 Environmental Assessment ("EA"), and the permit package was  
13 released for public comment in January 1997. See 62 Fed. Reg.  
14 2174 (Jan. 15, 1997). The Service considered the extensive  
15 public comments it received and proposed changes to the Plan and  
16 the Implementation Agreement based on the comments. (See AR  
17 39:6347-6355.) In November 1997, the City issued another amended  
18 version of the permit application, including a revised HCP and a  
19 revised Implementation Agreement. (See AR 10:1657.) The Service  
20 reviewed the revised documents, and on November 21, 1997,  
21 requested minor changes aimed at harmonizing the Implementation  
22 Agreement with the HCP and otherwise clarifying the intent of the  
23 parties. (See AR 9:1640, 1641.) In December, the Service  
24 prepared and released a new Environmental Assessment ("EA"), (see  
25 AR 9:1638), and on December 8, 1997, the City executed the  
26 Implementation Agreement. On December 17, 1997, the Fish and

1 Wildlife Service issued a new Biological Opinion ("1997  
2 Biological Opinion") which concluded that issuance of the ITP  
3 would not jeopardize the continued existence of any covered  
4 species. (See AR 9:1563.) Finally, on December 31, 1997, the  
5 Service executed the Implementation Agreement and issued the  
6 permit to the City. (See AR 9:1508.) On the same day, the  
7 Service issued Findings and Recommendations regarding its  
8 decision to issue the permit, which included a response to  
9 comments and a summary of changes made in the final version of  
10 the HCP. (See AR 9:1513 at 1530-38.)

11 B. The Final HCP

12 The Natomas Basin HCP is intended "to promote biological  
13 conservation along with economic development and the continuation  
14 of agriculture within the Natomas Basin." (AR 10:1657 at I-1.)  
15 The HCP lists 26 species that are "potentially subject to take,"  
16 (id. at I-6), and which are to "be included in the state and  
17 federal permits issued in accordance with the Plan."<sup>3</sup> (Id.) The  
18 proposed permit authorizes incidental take resulting from urban  
19 development, as well as any incidental take that may occur  
20 through rice-farming or result from management of the Plan's  
21 reserve lands. The HCP was developed as a regional conservation  
22 plan for the entire Natomas Basin, and was intended for use in

---

23  
24 <sup>3</sup> The Plan seeks permit coverage for a number of species  
25 that are not now protected under the ESA, to protect the City's  
26 interests in the event any of those species acquire statutory  
protection during the term of the ITP. The Plan also seeks  
permit coverage for certain species whose presence in the Basin  
is unconfirmed, to protect the City's interests in the event  
those species are later found to exist in the Basin.

1 connection with ITP applications for each of the municipalities  
2 and water companies with interests in the Basin:

3 [t]he following agencies or jurisdictions will be seeking,  
4 or are expected to seek, Section 10(a)(1)(B) and [California  
5 Fish and Game Code] Section 2081 permits for their  
6 activities under this Plan: (1) the City of Sacramento; (2)  
7 Sacramento County; (3) Sutter County; (4) Reclamation  
8 District No. 1000; and (5) the Natomas Central Mutual Water  
9 Company. . . . These agencies will be seeking their  
10 respective permits for any incidental take that may occur as  
11 a result of their activities (e.g. maintenance and public  
12 works), or, in the case of the local land use authorities,  
13 for any incidental take that may result from actions by  
14 third parties acting under existing zoning regulations or  
15 future land use permits.

16 (Id. at I-2.)<sup>4</sup>

17 The Plan is administered by the Natomas Basin Conservancy  
18 ("NBC") which has the responsibility to establish and oversee "a  
19 concerted Basin-wide program for acquiring and managing  
20 mitigation lands on behalf of the permittees. Specifically, the  
21 NBC will be responsible for collecting and managing mitigation  
22 fees required by the City and Counties, for using the fees to  
23 establish mitigation lands, and for managing the mitigation lands  
24 for the benefit of the covered species." (AR 10:1657 at IV-6.)  
25 The Plan provides for a Technical Advisory Committee ("TAC"),  
26 comprised of representatives from the Service, the California  
Department of Fish and Game, and any permittee, as well as

---

27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
841  
842  
843  
844  
845  
846  
847  
848  
849  
850  
851  
852  
853  
854  
855  
856  
857  
858  
859  
860  
861  
862  
863  
864  
865  
866  
867  
868  
869  
870  
871  
872  
873  
874  
875  
876  
877  
878  
879  
880  
881  
882  
883  
884  
885  
886  
887  
888  
889  
890  
891  
892  
893  
894  
895  
896  
897  
898  
899  
900  
901  
902  
903  
904  
905  
906  
907  
908  
909  
910  
911  
912  
913  
914  
915  
916  
917  
918  
919  
920  
921  
922  
923  
924  
925  
926  
927  
928  
929  
930  
931  
932  
933  
934  
935  
936  
937  
938  
939  
940  
941  
942  
943  
944  
945  
946  
947  
948  
949  
950  
951  
952  
953  
954  
955  
956  
957  
958  
959  
960  
961  
962  
963  
964  
965  
966  
967  
968  
969  
970  
971  
972  
973  
974  
975  
976  
977  
978  
979  
980  
981  
982  
983  
984  
985  
986  
987  
988  
989  
990  
991  
992  
993  
994  
995  
996  
997  
998  
999  
1000

<sup>4</sup> The Plan left some room for variation, noting that, although the HCP to be submitted with each permit application was expected to be "in substance . . . similar when submitted by each affected jurisdiction or agency," (AR 10:1657 at I-5), "Implementing Agreements developed by each jurisdiction or agency may vary to some extent based on their activities or the specific circumstances within their respective jurisdictions and permit areas." (Id.)

1 outside experts, "to advise the NBC in implementing" the HCP.

2 (AR 10:1657 at IV-7.) The TAC's role is:

3 to advise the NBC in making technical and biological  
4 decisions with respect to reserve land selection,  
5 enhancement, and management; monitoring programs and needs;  
6 species relocation or reintroduction plans; and other issues  
7 pertaining to technical implementation of the Plan.

8 (Id.)

9 The Plan calls upon the NBC to assemble connected 400 acre  
10 blocks of reserve lands -- with one block of at least 2500 acres  
11 -- for the benefit of the Giant Garter Snake and to protect  
12 Swainson's hawk habitat and nesting areas. The HCP states that  
13 "to the maximum extent practicable, the [Natomas Basin] HCP will  
14 ensure that habitat acquisition will be provided in advance of  
15 habitat conversion resulting from urban development in the  
16 Natomas Basin." (Id. at IV-50 (emphasis added).) Funding for  
17 land acquisition, however, is derived from the collection of  
18 mitigation fees for development. Thus, with regard to the  
19 phasing of land acquisition, the HCP actually requires only that,  
20 after an initial acquisition of 400 acres, which is to be made  
21 "as soon as possible," (id. at IV-50), "no more than one year  
22 shall elapse between receipt of a fee and expenditure of that fee  
23 in the purchase or other acquisition of mitigation land." (Id.  
24 at IV-51.)<sup>5</sup>

---

25 <sup>5</sup> After the initial 400 acres have been acquired, the NBC is  
26 permitted to defer further land acquisition "until fees have been  
collected for 1,500 acres of development." (Id. at IV-50.) At  
that point, the provision requiring expenditure of funds within  
one year of their collection becomes effective.

1       The Plan is based on certain key principles and assumptions.  
2 First, the Plan assumes that only 17,500 acres of Basin land will  
3 be developed over the 50 year life of the permit, and that a  
4 substantial proportion of the undeveloped land will remain in  
5 agriculture, particularly rice, which is believed to have unique  
6 value as habitat for the GGS. The Plan's conclusion that a ratio  
7 of .5 acres of reserve lands for each 1 acre of developed land  
8 will ensure the biological needs of the protected species is  
9 based on the assumption that a considerable portion of the  
10 undeveloped and agricultural lands in the Basin will remain  
11 undeveloped, thereby augmenting the habitat value of the reserve  
12 lands.

13       Second, the Plan pursues a regional approach to  
14 conservation. Whereas without the Plan, individual landowners  
15 could pursue separate permit applications, or develop their land  
16 without securing an ITP,<sup>6</sup> the HCP is intended to provide a  
17 consolidated approach under which resources may be pooled and  
18 conservation lands may be purchased throughout the Basin. Third,  
19 the HCP treats all Basin lands as fungible, as equally valuable  
20 habitat. Thus, the HCP requires developers to "mitigate" for the  
21 anticipated take of individuals or habitat by payment of a fee  
22 for each acre developed. Rather than differentiating among lands

---

24       <sup>6</sup> An ITP is not a prerequisite for development, but simply  
25 insulates its holder from a § 9 suit in the event that incidental  
26 take results from development activities. See Part II.A, infra.  
The HCP provides local governments and water districts with  
umbrella permits such that these jurisdictions may in turn  
authorize particular development projects on Basin lands within  
their boundaries under the overall protection of the ITP.

1 according to their value as habitat for protected species, the  
2 HCP requires all landowners within the Permit area to pay a  
3 mitigation fee for developing their land, regardless of whether  
4 any particular parcel has or lacks habitat value. Depending on  
5 one's point of view, this uniform treatment is either a strength  
6 or a weakness of the Plan. It is a strength because mitigation  
7 fees are to be collected on all acreage and are used "to set  
8 aside 0.5 acres of habitat land for each 1.0 acres of gross  
9 development that occurs in the Basin." (AR 10:1657 at IV-6.)  
10 It is a potential weakness because the Plan does not attempt to  
11 identify, prior to intensified development under the ITP,  
12 particular parcels for acquisition as reserves, based upon the  
13 importance of those parcels as habitat, but simply specifies  
14 acquisition criteria, and leaves specific reserve acquisition to  
15 the future decisionmaking of the NBC.

16 Finally, the Plan is based upon what it calls "adaptive  
17 management." The Plan recognizes that the current state of  
18 knowledge as to the conservation needs of protected species is  
19 imperfect, and that its assumptions as to the amount, location,

20  
21 

---

The initial base fee was set at \$2240 per acre developed,  
22 of which \$1829 was allocated for acquisition of land, \$142 for  
23 restoration, enhancement and monitoring, \$150 for administration  
24 of operation and monitoring, \$75 for an operations and monitoring  
25 endowment, and \$44 for administration of fee collection. (See  
26 id. at IV-54.) Because these figures represent the amount  
collected for each acre developed, the amount available for each  
acre of mitigation land is twice the given figures. For example,  
the HCP assumes that land can be acquired for \$1829 x 2, or \$3658  
per acre, and sets aside \$142 x 2, or \$284 per acre for  
restoration, enhancement, and monitoring. (See id. at IV-54 to  
IV-55.)

1 and pace of development in the Basin and as to the adequacy of  
2 the mitigation fee to accommodate increased expenses may prove  
3 inaccurate. The Plan addresses these uncertainties through its  
4 "adaptive management" provisions, which permit the Plan's  
5 conservation strategy to be adjusted based on new information,  
6 (See id. at IV-43.) The HCP's conservation program can be  
7 modified under the adaptive management provisions if: (1) new  
8 information results from ongoing research on the GGS or other  
9 covered species; (2) recovery strategies under Fish and Wildlife  
10 Service recovery plans for the GGS or the Swainson's hawk differ  
11 from the measures contemplated by the HCP; (3) certain of the  
12 HCP's mitigation measures are shown through monitoring to require  
13 modification; or (4) the HCP's required minimum block sizes for  
14 reserve lands are shown to require revision. (Id. at IV-43.)  
15 The Plan anticipates that the NBC will make discretionary  
16 decisions in future years based upon new information. The NBC  
17 will decide, for example, which lands to purchase, depending on a  
18 variety of future considerations difficult now to predict, and  
19 whether to change the mix of in and out of Basin reserve lands  
20 and agricultural as opposed to marsh reserve lands.

21 The Plan provides for two distinct types of monitoring to  
22 assess its continuing effectiveness at meeting its conservation  
23 goals. First, periodic multi-species inventories across the  
24 Plan's entire system of reserve lands "shall be conducted  
25 throughout the [Natomas Basin] HCP plan area a minimum of once  
26 every five years." (Id. at IV-45.) Second, "when necessary, as

1 determined by the NBC and its Technical Advisory Committee (TAC),  
2 focused monitoring efforts [will be conducted] to assess the  
3 effectiveness of specific management and enhancement programs."

4 (Id.) The results of these monitoring efforts will "form an  
5 important component of the Adaptive Management" program. (Id.)

6 Apart from the ongoing monitoring and adaptive management  
7 programs, the Plan addresses the "variety of uncertainties [that]  
8 exist in the Plan," including, among other things, the actual  
9 level of development that will occur in the basin, and the  
10 "extent, location and effectiveness of the habitat reserve system  
11 as it is developed under the Plan," by providing for "a  
12 comprehensive program review designed to evaluate the performance  
13 and effectiveness of the Plan." (Id. at IV-59.) The program  
14 review is to be conducted at roughly the halfway point of the  
15 Plan, "when and if urban development [of currently undeveloped  
16 land] within the basin reaches a total of 9,000 acres." (Id.)

17 This program review is to be conducted by the NBC, the  
18 permittees, the Fish and Wildlife Service, and the California  
19 Department of Fish and Game ("CDFG"), and is to address whether  
20 the HCP is meeting its original goals with respect to four  
21 principal issues: (1) the status of the covered species; (2) the  
22 status and effectiveness of the reserve system; (3) the status  
23 and effectiveness of the Plan's funding mechanism; and, (4) the  
24 distribution of developed and reserve lands within the Basin.  
25 During the program review, no more than an additional 3,000 acres  
26 may be developed, so that, assuming that all Basin development

1 proceeds under the auspices of the HCP, no more than 12,000 acres  
2 in total will have been developed in the Basin before the program  
3 review is completed.

4 C. The 1997 Biological Opinion

5 As required by § 7(a)(2) of the ESA, the Service issued a  
6 Biological Opinion, ("1997 Biological Opinion") (AR 9:1563), in  
7 which it concludes that the issuance of the ITP is not likely to  
8 jeopardize the continued existence of any species covered by the  
9 Permit. In the 1997 Biological Opinion, the Service provides an  
10 account of the then-current state of knowledge with respect to  
11 the "status and environmental baseline" of each covered species,  
12 including distribution and population. (See id. at 1574-79.)  
13 With regard to the Giant Garter Snake, the 1997 Biological  
14 Opinion emphasizes the benefits of the wetland habitat portion of  
15 the reserve system, which is to consist of "a network of reserves  
16 a minimum of 400 acres in size and connected by a network of  
17 canals," and "at least one parcel a minimum of 2500 acres in  
18 size." (Id. at 1567.) The 1997 Biological Opinion notes that  
19 "habitat enhancements on the reserve lands are expected to  
20 increase the amount and quality of habitat available to the giant  
21 garter snake through time as the [Natomas Basin] HCP is  
22 implemented." (Id.)

23 The 1997 Biological Opinion concedes that a certain amount  
24 of uncertainty exists with respect to factors that "could have  
25 significant consequences for [the success of the] conservation  
26 program." (Id. at 1583.) The Service explains, however, that

1 these uncertainties are "inherent in the land use realities  
2 within the [Natomas Basin] HCP plan area and difficult to fully  
3 avoid." The 1997 Biological Opinion concludes that the  
4 monitoring, adaptive management, and program review provisions of  
5 the HCP will enable the NBC to respond appropriately as new  
6 information is developed:

7 The [Natomas Basin] HCP recognizes these potential  
8 difficulties and incorporates a wide array of adaptive and  
9 corrective features designed to respond to such future  
10 uncertainties, to changing circumstances, and to new  
11 information throughout the term of the permit. These  
12 include: (1) its Adaptive Management program . . .; (2) its  
13 biological monitoring program . . .; (3) provisions for  
14 incorporating a giant garter snake recovery plan when one is  
15 developed and approved . . .; and (4) a comprehensive  
16 program review to occur when urban development in the  
17 Natomas Basin reaches 9,000 acres.

18 (Id.) On the basis of these provisions, the 1997 Biological  
19 Opinion concludes that "provided that reserve management  
20 decisions are appropriately adjusted through time based on  
21 results of monitoring and that the corrective features of the  
22 Adaptive Management and other programs described above are  
23 implemented, the proposed action will not appreciably reduce the  
24 likelihood of the survival and recovery of the giant garter snake  
25 in the wild." (Id.)

26 With regard to the Swainson's hawk, the 1997 Biological  
Opinion notes that

Under the Plan's 0.5-to-1.0 mitigation ratio it is  
theoretically possible that up to two thirds of [the  
Swainson's hawk] zone could be lost to urbanization, since  
no other explicit limits on development in this area are  
required. Considering the importance of this area to  
Swainson's hawks nesting within the Basin, such a loss would  
impose unacceptable impacts to the species and could result

1 in loss of all or a significant part of the Basin's nesting  
2 population of this species.

3 (Id. at 1584.) However, the Service agrees with the HCP "that  
4 development in the Swainson's hawk zone will be much more limited  
5 than the theoretical two-thirds," (id. at 1584), because the  
6 areas within the hawk zone are not now zoned for urban  
7 development, and because the plan requires the NBC to monitor  
8 urban development in the zone and to acquire or protect  
9 sufficient land to prevent the potential adverse consequences.

10 (See id.) Ultimately, as with the giant garter snake, the 1997  
11 Biological Opinion concludes that "provided that reserve  
12 management decisions are adjusted through time based on results  
13 of monitoring and that the corrective features of the Adaptive  
14 Management and other programs described above are implemented,  
15 the proposed action will not appreciably reduce the likelihood of  
16 the survival and recovery of the Swainson's hawk in the wild."

17 (Id. at 1586.)

18 With respect to the other covered species, the 1997  
19 Biological Opinion generally concurs with the HCP's conclusions  
20 that the remaining covered species would not be significantly  
21 affected by the Plan and might in fact benefit from the reserve  
22 system created under the Plan. (See id. at 1586-91, 1595.)

23 The 1997 Biological Opinion briefly addresses the tension  
24 between the regional nature of the Plan and the local nature of  
25 the ITP. The Service acknowledges that, although the HCP is a  
26 regional plan that assumes permit applications from each of the

1 three land use agencies and the two irrigation districts with  
2 interests in the Basin, complete participation is not assured,  
3 and "a lack of participation by Sacramento or Sutter County,  
4 could compromise the NBC's ability to assemble the required  
5 contiguous 400-acre and 2500-acre habitat blocks for the  
6 mitigation reserve system." (Id. at 1580.) The 1997 Biological  
7 Opinion ultimately brushes off these concerns, stating that  
8 mitigation "will keep pace with, and contribute to an overall  
9 balance between, habitat converted and habitat protected," (id.  
10 at 1581), and concluding that "the Plan would be self-sufficient  
11 within each permit area, to the extent that each permittee must  
12 mitigate for impacts to covered species that occur as a result of  
13 development within its respective jurisdiction . . . and the  
14 mitigation must meet the Plan's basic biological standards."  
15 (Id. at 1580.)

#### 16 D. The 1997 Findings and Recommendations

17 On December 31, 1997, the Service's Regional Director signed  
18 the "Findings and Recommendations Regarding Issuance of an  
19 Incidental Take Permit to the City of Sacramento" ("F&Rs"), which  
20 summarizes the provisions of the HCP, and discusses the 1997  
21 Biological Opinion's analysis of the likely effect on covered  
22 species of the issuance of the permit. (AR 9:1513.) The F&Rs  
23 make each of the findings required under 16 U.S.C. §  
24 1539(a)(2)(B), namely that: (1) the permitted taking will be  
25 incidental to otherwise lawful activity; (2) under the HCP, the  
26 City will, to the maximum extent practicable, minimize and

1 mitigate the impacts of the taking; (3) the City will ensure that  
2 adequate funding for the HCP and procedures to deal with  
3 unforeseen circumstances would be provided; (4) the taking will  
4 not appreciably reduce the likelihood of the survival and  
5 recovery of the covered species in the wild; (5) any and all  
6 other measures required by the Service have been met; and (6) the  
7 Service has received the necessary assurances that the Plan will  
8 be implemented. (See id. at 1522-25.) Finally, the F&Rs  
9 summarize the HCP's analysis of the three alternatives considered  
10 by the City. (See id. at 1525.)<sup>8</sup>

#### 11 E. Procedural History

12 On February 12, 1999, plaintiffs filed suit in this court to  
13 challenge the Secretary's decision to issue the ITP to the City  
14 of Sacramento. Plaintiffs assert the following claims in their  
15

---

16  
17 <sup>8</sup> The HCP identifies three alternatives to the proposed  
18 issuance of the ITP. The first, the "no action" alternative, was  
19 rejected because urbanization in the Natomas Basin was expected  
20 to proceed with or without the HCP, and "urbanization without the  
21 [Natomas Basin] HCP would likely result in the cumulative,  
22 unmitigated destruction of giant garter snake habitat and  
23 ultimately extirpation of the species from the area." (AR  
24 10:1657 at V-14.) Second, the "alternative resource management"  
25 alternative, which would not allow hunting or rice farming on  
26 reserve lands, "was rejected as financially unacceptable." (Id.)  
Third, the "alternate proportions of marsh and in-basin land"  
alternative, was rejected for similar reasons. The Plan allows  
75% of reserve lands to be used for rice farming, and 20% of  
reserves to be acquired outside the Natomas Basin. The Plan  
notes that these proportions "may not be biologically optimal,"  
but adopts them for financial reasons, and other reasons related  
to "local acceptability." (Id. at V-15.) The Plan notes that  
the HCP "can adapt to meet changing biological circumstances," if  
it is later demonstrated that greater or lesser proportions of  
marsh and out of Basin reserves are "biologically necessary."  
(Id.)

1 complaint: (1) The Service violated ESA § 10(a)(2)(A) and APA §  
2 706(2)(A), by failing to ensure that the HCP satisfied the  
3 minimum criteria of 16 U.S.C. § 1539(a)(2)(A); (2) The Service  
4 violated ESA § 10(a)(2)(B)(iv) and APA § 706(2)(A) by failing to  
5 consider relevant factors in reaching its conclusion that the HCP  
6 "will not appreciably reduce the likelihood of survival and  
7 recovery" of covered species in the wild; (3) The Service  
8 violated ESA § 7(a)(2) and APA § 706(2)(A) by failing to consider  
9 relevant factors in reaching its "no jeopardy" conclusion, and by  
10 failing to use the best available scientific information; (4) The  
11 Service violated ESA § 10(a)(2)(B)(ii) and APA § 706(2)(A) by  
12 arbitrarily finding that the applicant will minimize and mitigate  
13 the impact of permitted takings "to the maximum extent  
14 practicable" without undertaking consideration of greater  
15 minimization or mitigation measures; (5) The Service violated ESA  
16 § 10(a)(2)(B)(iii) and APA § 706(2)(A) by arbitrarily finding  
17 that the applicant will ensure adequate funding for the plan,  
18 despite evidence that funding is inadequate and the City's  
19 professed inability to ensure funding; (6) The Service violated  
20 ESA § 7(a)(2) and 10(a)(2) and APA § 706(2)(A) by arbitrarily  
21 providing a "no-surprises" assurance regarding future changes in  
22 the HCP, Implementation Agreement, and ITP; (7) The Service  
23 violated ESA § 10(a)(2)(C) and APA § 706(1) by failing to revoke  
24 the City's permit despite having found that the City has violated  
25 Permit terms and conditions; (8) The Service violated ESA §  
26 7(a)(2), 50 C.F.R. § 402.16, and APA § 706(1) by failing to

1 reinitiate consultation despite the discovery of new information  
 2 warranting reinitiation; and (9) The Service violated NEPA §  
 3 4332(C) and APA § 706(2)(A) by arbitrarily making a finding of no  
 4 significant impact ("FONSI") and failing to conduct a required  
 5 EIS.

6 On August 13, 1999, plaintiffs moved for partial summary  
 7 judgment as to their first through fifth and ninth claims. On  
 8 September 28, 1999, the court granted the motion to intervene of  
 9 two real estate developers with landholdings in the Natomas  
 10 Basin, Kaufman and Broad of Sacramento, Inc., and Kern  
 11 Schumacher. On October 29, 1999, the Secretary filed his brief  
 12 in opposition to plaintiffs' motion, and also moved for summary  
 13 judgment on all claims. Oral argument was heard on February 25,  
 14 2000 and on March 3, 2000. The City and intervenors join in the  
 15 Secretary's motion and in his opposition to plaintiffs' motion.

17  
 18 **II. Legal Background**

19 Plaintiffs challenge the HCP and the Secretary's issuance of  
 20 the ITP as in violation of the Endangered Species Act ("ESA").  
 21 The court reviews the Secretary's compliance with the ESA under  
 22 the Administrative Procedure Act ("APA"), 5 U.S.C. § 701 et seq.  
 23 See, e.g., Bennett v. Spear, 520 U.S. 154, 176-77, 154 S. Ct.  
 24 1154, 1166-67 (1997).

25 **A. The Endangered Species Act**

26 The ESA requires the Secretary to determine whether a given  
 species qualifies for protection as endangered or threatened, and

1 confers significant protection on species so listed. Section 9  
2 of the ESA makes it unlawful for any person subject to the  
3 jurisdiction of the United States to "take" any member of any  
4 endangered or threatened species. See 16 U.S.C. § 1538(a)(1).  
5 The ESA defines "take" as "to harass, harm, pursue, hunt, wound,  
6 kill, trap, capture, or collect." 16 U.S.C. §1532(19). "Harm"  
7 is further defined by regulation to include killing or injuring a  
8 protected species through "significant habitat modification or  
9 degradation" that impairs "essential behavioral patterns,  
10 including breeding, feeding, or sheltering." 50 C.F.R. § 17.3.

11 Section 9's broad prohibition on take is limited by several  
12 exceptions identified in § 10. Most importantly for present  
13 purposes, § 10 allows the Secretary to issue an incidental take  
14 permit ("ITP"), which authorizes its holder to take some members  
15 of protected species when the taking is incidental to carrying  
16 out an otherwise lawful activity. See 16 U.S.C. § 1539(a). The  
17 permittee under an ITP is not liable for any taking that falls  
18 within the scope of the permit.

19 To obtain an ITP, an applicant must develop and submit a  
20 habitat conservation plan ("HCP"), which specifies (1) the likely  
21

22 <sup>9</sup> Of the species covered by the ITP, only the Giant Garter  
23 Snake and certain vernal pool species are currently listed under  
24 the federal ESA. (See AR 10:1657 at II-6.) The Swainson's hawk  
25 is listed under the California ESA, and is covered by an ITP  
26 issued under the Plan by the California Department of Fish and  
Game, as well as by the federal ITP. (See id. at I-1.) The  
Permit also covers -- that is, provides incidental take authority  
with respect to -- a number of species not currently listed under  
either federal or state law on the theory that they could be  
listed at some point during the fifty year life of the Permit.  
(See id. at II-6.)

1 impact from the proposed takings; (2) the steps the applicant  
2 will take to minimize and mitigate such impacts and the funding  
3 available for such mitigation; (3) alternative actions  
4 considered, and the reasons for not selecting them; and (4) such  
5 other measures as the Secretary may require as necessary or  
6 appropriate for the purposes of the plan. See 16 U.S.C. §  
7 1539(a)(2)(A). Upon submission of a permit application and  
8 related conservation plan, "the Secretary shall issue the  
9 permit," if he finds, after opportunity for public comment, that

- 10 (i) the taking will be incidental;  
11 (ii) the applicant will, to the maximum extent practicable,  
12 minimize and mitigate the impacts of such taking;  
13 (iii) the applicant will ensure that adequate funding for the  
14 plan will be provided;  
15 (iv) the taking will not appreciably reduce the likelihood  
16 of the survival and recovery of the species in the  
17 wild; and  
18 (v) other measures required by the Secretary will be met.

19 16 U.S.C. § 1539(a)(2)(B). The permit "shall contain such terms  
20 and conditions as the Secretary deems necessary or appropriate to  
21 carry out the purposes of this paragraph, including . . . such  
22 reporting requirements as the Secretary deems necessary for  
23 determining whether such terms and conditions are being complied  
24 with." Id. If the Secretary finds that a permittee is not  
25 complying with the terms and conditions of the permit, he "shall  
26 revoke" the permit. 16 U.S.C. § 1539(a)(2)(C).

27 In addition to his responsibility to review the permit  
28 application for compliance with the dictates of ESA § 10, the  
29 Secretary must insure that issuance of the permit is consistent  
30 with ESA § 7(a)(2). See 16 U.S.C. § 1536(a)(2). Section 7

1 requires each federal agency to "insure that any action  
 2 authorized, funded, or carried out by such agency is not likely  
 3 to jeopardize the continued existence of any endangered species  
 4 or threatened species or result in the destruction or adverse  
 5 modification of [critical habitat]." Id. To comply with §  
 6 7(a)(2), an agency considering action that may affect a protected  
 7 species is required to engage in a consultation process with the  
 8 Service. When the action agency is the Service itself, as when  
 9 the Service is considering whether to issue an ITP, it must  
 10 engage in internal consultation under § 7, and may issue the  
 11 permit only upon a finding that it "is not likely to jeopardize  
 12 the continued existence of" a protected species, or result in the  
 13 destruction or adverse modification of critical habitat. Id.; 50  
 14 C.F.R. § 402.01(b). During the consultation process, the agency  
 15 must consider direct, indirect,<sup>10</sup> and cumulative<sup>11</sup> effects. Any  
 16 action that "may affect" listed species or critical habitat  
 17 triggers the action agency's obligation to formally consult with  
 18 the Service. See 50 C.F.R. 402.14; 51 Fed. Reg. 19926, 19949-50.  
 19 Formal consultation typically culminates in the issuance of a  
 20 biological opinion by the Service, which addresses whether  
 21 jeopardy is likely to occur for any protected species, and if so,  
 22 whether "reasonable and prudent alternatives" exist to avoid

---

24 <sup>10</sup> "Indirect effects" are those that are reasonably certain  
 25 to occur later in time, as a result of the proposed action. See  
 50 C.F.R. 402.02.

26 <sup>11</sup> "Cumulative effects" are the effects of actions of third  
 parties, whether state or private entities, "that are reasonably  
 certain to occur within the action area." 50 C.F.R. § 402.02.

1 jeopardy. The Service must use "the best scientific and  
2 commercial data available" in making the required "no jeopardy"  
3 finding. 16 U.S.C. § 1536(a)(2). In every respect except for  
4 this "best scientific and commercial data" requirement, the no  
5 jeopardy finding required by ESA § 7(a)(2) is identical to the  
6 survival finding required under § 10(a)(2)(B)(iv). Where the  
7 "available data" is imperfect, the Service is not obligated to  
8 supplement it or to defer issuance of its biological opinion  
9 until better information is available. Rather, "the Service must  
10 develop its biological opinion based upon the best scientific and  
11 commercial data available regardless of the 'sufficiency' of that  
12 data." See 51 Fed. Reg. 19926, 19951 (final rulemaking with  
13 respect to 50 C.F.R. 402).

14 Under ESA regulations, certain conditions may trigger an  
15 agency's obligation to consult again on the same project.  
16 "Reinitiation of consultation" is required "where discretionary  
17 Federal involvement or control over the action has been retained  
18 or is authorized by law," and one of the following conditions  
19 occurs: (a) the extent of taking specified in the ITP is  
20 exceeded; (b) new information reveals that the action may affect  
21 the species or critical habitat in a manner or to an extent not  
22 previously considered; (c) the action is subsequently modified in  
23 a manner that causes an effect to the species or critical habitat  
24 that was not considered in the original biological opinion; or  
25 (d) a new species is listed or critical habitat designated that  
26 may be affected. See 50 C.F.R. § 402.16.

1 B. The National Environmental Policy Act

2 The National Environmental Policy Act ("NEPA"), 42 U.S.C. §  
3 4321 et seq., requires the preparation of an Environmental Impact  
4 Statement ("EIS") for all "major Federal actions significantly  
5 affecting the quality of the human environment." 42 U.S.C. §  
6 4332(2)(C); see also Morongo Band of Mission Indians v. Federal  
7 Aviation Administration, 161 F.3d 569, 575 (9<sup>th</sup> Cir. 1998). An  
8 EIS is a "detailed statement" examining in depth the  
9 environmental impact of the proposed action and alternatives to  
10 the proposed action. 42 U.S.C. § 4332(C). NEPA sets forth  
11 "action-forcing" procedures designed to fully inform agency  
12 decisionmakers of the environmental impact of their decisions.  
13 The reason for the EIS requirement is that "decisions that are  
14 based on understanding of the environmental consequences" will  
15 "protect, restore and enhance the environment." 40 C.F.R. §  
16 1500.1(c). "NEPA exists to ensure a process, not a result."  
17 Morongo Band of Mission Indians, 161 F.3d at 575. Thus, NEPA  
18 does not forbid harm to the environment but requires government  
19 decisionmakers to evaluate that harm and explain why the action  
20 is justified despite the harm:

21 NEPA is not designed to prevent all possible harm to the  
22 environment; it foresees that decisionmakers may choose to  
23 inflict such harm, for perfectly good reasons. Rather,  
24 NEPA is designed to influence the decisionmaking process;  
its aim is to make government officials notice environmental  
considerations and take them into account.

25 Massachusetts v. Watt, 716 F.2d 946, 952 (1st Cir. 1983).

26 By regulation, an agency considering whether an action would

1 require preparation of an EIS must prepare a brief, preliminary  
2 evaluation, called an environmental assessment ("EA"). EAs are  
3 intended to be concise documents that "briefly provide sufficient  
4 evidence and analysis for determining whether to prepare an EIS  
5 or a 'finding of no significant impact' ("FONSI")." 40 C.F.R. §  
6 1508.9. NEPA requires that an EIS be prepared before taking  
7 action that may significantly affect the quality of the human  
8 environment. See 42 U.S.C. § 4332. An EIS must be prepared if  
9 "substantial questions are raised as to whether a project . . .  
10 may cause significant degradation of some human environmental  
11 factor." Greenpeace Action v. Franklin, 14 F.3d 1324, 1332 (9th  
12 Cir. 1992) (emphasis in original). "The plaintiff need not show  
13 that significant effects will in fact occur, but if the plaintiff  
14 raises substantial questions whether a project may have a  
15 significant effect, an EIS must be prepared." Id. (emphasis in  
16 original).<sup>12</sup>

17 In assessing the significance of a project's impact, NEPA  
18 regulations require the agency to consider a variety of factors,  
19

---

20 <sup>12</sup> The regulations provide that:

21 "Human Environment" shall be interpreted comprehensively to  
22 include the natural and physical environment and the  
23 relationship of people with that environment. This means  
24 that economic or social effects are not intended by  
25 themselves to require preparation of an environmental impact  
26 statement. When an environmental impact statement is  
prepared and economic or social and natural or physical  
environmental effects are interrelated, then the  
environmental impact statement will discuss all of these  
effects on the human environment.

40 C.F.R. § 1508.14.

1 which are set out in two categories, labeled "context" and  
2 "intensity." The regulations enumerate a number of relevant  
3 considerations, including the scope of the affected area and  
4 region, the severity of the impact, whether public health may be  
5 affected, whether unique resources may be affected, the degree to  
6 which the effects are likely to be controversial or uncertain,  
7 the precedential nature of the action, the impact of other  
8 related actions, the degree to which the action may affect an  
9 endangered or threatened species or critical habitat, and whether  
10 the action threatens a violation of federal, state, or local  
11 law.<sup>13</sup>

12  
13 <sup>13</sup> The regulations provide that the following factors should  
be considered:

14 (a) Context. This means that the significance of an action  
15 must be analyzed in several contexts such as society as a  
16 whole (human, national), the affected region, the affected  
17 interests, and the locality. Significance varies with the  
18 setting of the proposed action. For instance, in the case  
19 of a site-specific action, significance would usually depend  
20 upon the effects in the locale rather than in the world as a  
21 whole. Both short- and long-term effects are relevant.

22 (b) Intensity. This refers to the severity of impact.  
23 Responsible officials must bear in mind that more than one  
24 agency may make decisions about partial aspects of a major  
25 action. The following should be considered in evaluating  
26 intensity:

(1) Impacts that may be both beneficial and adverse. A  
significant effect may exist even if the Federal agency  
believes that on balance the effect will be beneficial.

(2) The degree to which the proposed action affects public  
health or safety.

(3) Unique characteristics of the geographic area such as  
proximity to historic or cultural resources, park lands,  
prime farmlands, wetlands, wild and scenic rivers, or  
ecologically critical areas.

(4) The degree to which the effects on the quality of the  
human environment are likely to be highly controversial.

(5) The degree to which the possible effects on the human  
environment are highly uncertain or involve unique or  
unknown risks.

1 After conducting a preliminary environmental assessment, if  
2 the agency makes a Finding of No Significant Impact, then no EIS  
3 is required. An agency's decision to issue a FONSI, and not to  
4 prepare an EIS, is reviewable under the arbitrary and capricious  
5 standard. See Marsh v. Oregon Natural Resources Council, 490  
6 U.S. 360, 109 S. Ct. 1851 (1989); Morongo Band, 161 F.3d at 573;  
7 Oregon Natural Resources Council v. Lowe, 109 F.3d 521, 527-28  
8 (9th Cir. 1997).

9 C. The Administrative Procedure Act

10 Judicial review of final administrative action is governed  
11 by § 706 of the APA. See Pyramid Lake Paiute Tribe of Indians v.  
12 U.S. Dept. of Navy, 898 F.2d 1410, 1414 (9<sup>th</sup> Cir. 1990). The APA  
13

14  
15 (6) The degree to which the action may establish a  
16 precedent for future actions with significant effects or  
17 represents a decision in principle about a future  
18 consideration.

19 (7) Whether the action is related to other actions with  
20 individually insignificant but cumulatively significant  
21 impacts. Significance exists if it is reasonable to  
22 anticipate a cumulatively significant impact on the  
23 environment. Significance cannot be avoided by terming an  
24 action temporary or by breaking it down into small  
25 component parts.

26 (8) The degree to which the action may adversely affect  
27 districts, sites, highways, structures, or objects listed in  
28 or eligible for listing in the National Register of Historic  
29 Places or may cause loss or destruction of significant  
30 scientific, cultural, or historical resources.

(9) The degree to which the action may adversely affect an  
endangered or threatened species or its habitat that has  
been determined to be critical under the Endangered Species  
Act of 1973.

(10) Whether the action threatens a violation of Federal,  
State, or local law or requirements imposed for the  
protection of the environment.

40 C.F.R. § 1508.27.

1 authorizes the court to set aside agency action found to be  
2 "arbitrary, capricious, an abuse of discretion, or otherwise not  
3 in accordance with law," 5 U.S.C. §706(2)(A), or to compel agency  
4 action "unlawfully withheld or unreasonably delayed." 5 U.S.C. §  
5 706(1). The scope of review under the APA's "arbitrary and  
6 capricious" standard is "searching and careful," but "narrow."  
7 Marsh v. Oregon Natural Resources Counsel, 490 U.S. at 378, 109  
8 S. Ct. at 1861-62. A court is not to substitute its judgment for  
9 that of the agency. Id. Rather, the court's task is to  
10 determine whether the agency's decision is "within the bounds of  
11 reasoned decision making." Baltimore Gas & Elec. Co. v. Natural  
12 Resources Defense Counsel, 462 U.S. 87, 105-06, 103 S. Ct. 2246,  
13 2256-57 (1983). To do this, the court must determine whether the  
14 agency has considered the relevant factors and articulated a  
15 rational connection between the facts found and the choice made.  
16 See Bowman Transportation, Inc., v. Arkansas-Best Freight Sys.,  
17 419 U.S. 281, 285-86, 95 S. Ct. 438, 442 (1974). A corollary to  
18 the limited nature of APA review is that the court is limited to  
19 the administrative record relied upon by the agency in reaching  
20 its decision, and is not to engage in fact-finding based on  
21 extra-record material. See Oregon Natural Resources Counsel v.  
22 Lowe, 109 F.3d 521, 526 (9<sup>th</sup> Cir. 1997). However, in NEPA cases,  
23 the court may extend its review beyond the administrative record  
24 and permit the introduction of new evidence where the plaintiff  
25 alleges that the agency has neglected to take account of a  
26 serious environmental consequence, failed adequately to discuss

1 some reasonable alternative, or otherwise swept 'stubborn  
2 problems or serious criticism . . . under the rug.' Id. (citing  
3 Animal Defense Council v. Hodel, 840 F.2d 1432, 1436-38 (9th Cir.  
4 1988), amended by 867 F.2d 1244 (9th Cir. 1989)). In the context  
5 of NEPA, a reviewing court "must ensure that the agency has taken  
6 a 'hard look' at the environmental consequences of its proposed  
7 action." Lowe, 109 F.3d at 526.

#### 8 D. Summary judgment standard

9 Rule 56 of the Federal Rules of Civil Procedure provides for  
10 summary judgment if "there is no genuine issue as to any material  
11 fact and . . . the moving party is entitled to judgment as a  
12 matter of law." Fed. Rule Civ. P. 56(c). Summary judgment is  
13 frequently appropriate in cases involving judicial review of  
14 administrative action where, as here, review is based upon a  
15 "voluminous and complete" administrative record. See, e.g.,  
16 Friends of Endangered Species v. Jantzen, 589 F. Supp. 113, 118  
17 (N.D. Cal. 1984).

### 19 III. Standing

20 The Secretary initially challenges plaintiffs' standing to  
21 challenge the ITP, asserting that plaintiffs have not submitted  
22 "a single affidavit from members of the plaintiff organizations  
23 to support a claim of standing." (Def.'s Mem. at 34.) In fact,  
24 plaintiffs have submitted declarations that are adequate to  
25 establish their standing. (See Pls.' Exhibits 13, 17-22.) The  
26 Supreme Court has articulated the constitutionally-imposed

1 requirements for associational standing. In Warth v. Seldin, 422  
2 U.S. 490, 511, 95 S. Ct. 2197, 2212 (1975), the court held that:

3 Even in the absence of injury to itself, an association may  
4 have standing solely as the representative of its members. .  
5 . . . The association must allege that its members, or any one  
6 of them, are suffering immediate or threatened injury as a  
7 result of the challenged action of the sort that would make  
8 out a justiciable case had the members themselves brought  
9 suit. . . . So long as this can be established, and so long  
10 as the nature of the claim and of the relief sought does not  
11 make the individual participation of each injured party  
12 indispensable to proper resolution of the cause, the  
13 association may be an appropriate representative of its  
14 members, entitled to invoke the court's jurisdiction.

15 Id.; see also Hunt v. Washington State Apple Advertising Comm'n,  
16 432 U.S. 333, 343, 97 S. Ct. 2434, 2441 (1977) (holding that  
17 injury claimed must be germane to purpose of plaintiff  
18 organization). The Secretary does not contend that the relief  
19 sought makes the individual members of plaintiff organizations  
20 indispensable to the proper resolution of this case. Thus, the  
21 standing of plaintiff organizations depends on whether individual  
22 members would have standing to sue in their own right, and on  
23 whether the claimed injury is germane to the purpose of the  
24 organizations.

25 Plaintiff organizations have submitted affidavits from  
26 members of each organization, stating, in substance, that they  
have visited and regularly do visit the Natomas Basin to see  
species covered by the Permit, and that they intend to continue  
visiting the Basin, and that their enjoyment of the species in  
the Basin would be affected by the takings authorized by the ITP.  
(See Pl.'s Exh. 13 (Sierra Club, Planning and Conservation League

1 ("PCL"), and National Wildlife Federation ("NWF")); Pl.'s Exh. 17  
2 (NWF); Pl.'s Exh. 18 (Environmental Council of Sacramento  
3 ("ECOS"), Friends of the Swainson's Hawk ("FOSH")); Pl.'s Exh. 19  
4 (ECOS, PCL, and NWF); Pl.'s Exh. 20 (Mountain Lion Foundation  
5 ("MLF")); Pl.'s Exh. 21 (Sierra Club, ECOS, and FOSH); Pl.'s Exh.  
6 22 (PCL, ECOS, and FOSH). These declarations establish the  
7 standing of those individuals to challenge the ITP. See  
8 Resources Ltd., Inc. v. Robertson, 35 F.3d 1300, 1303 (9th Cir.  
9 1993). Although vague expressions of intent to visit an area  
10 "'some day' -- without any description of concrete plans, or . .  
11 . . specification of when the some day will be -- do not support a  
12 finding of . . . 'actual or imminent' injury," Lujan v. Defenders  
13 of Wildlife, 504 U.S. 555, 564, 112 S. Ct. 2130, 2138 (1992), the  
14 affidavits submitted by plaintiffs sufficiently detail the  
15 affiants' ongoing use of the Natomas Basin for purposes of  
16 enjoyment of covered species to satisfy the requirements of  
17 Article III. "The desire to use or observe an animal species,  
18 even for purely esthetic purposes, is undeniably a cognizable  
19 interest for purposes of standing." Lujan, 504 U.S. at 562-63,  
20 112 S. Ct. at 2167. Plaintiffs' affidavits also make the  
21 required assertions with respect to the purpose of each plaintiff  
22 organization. Thus, plaintiffs' affidavits fulfill each of  
23 Article III's requirements for associational standing.

24

25

IV. Endangered Species Act Claims

26

The nub of plaintiffs' challenge to the HCP concerns its

1 strategy of adaptive management. Plaintiffs object that in the  
2 face of incomplete information as to a number of important issues  
3 -- including the conservation needs of the covered species, the  
4 likely location and pace of development in the Basin, and the  
5 preferred location and availability of reserves -- the Plan does  
6 not undertake studies to develop better information, but simply  
7 creates a structure and describes a process for reaching and  
8 adjusting decisions in the future based on developing  
9 information. Plaintiffs contend that many of the Service's  
10 findings are arbitrary because of the uncertainty inherent in the  
11 HCP's deferred decisionmaking scheme. As will be discussed below  
12 in greater detail, however, inconclusive data alone does not  
13 render the Service's findings arbitrary. See Part IV.D, infra.

14 With miscellaneous exceptions,<sup>14</sup> plaintiffs' ESA claims fall  
15 into two categories. First, plaintiffs challenge as arbitrary  
16 the Service's findings as to the adequacy of the Plan's  
17 provisions, particularly those related to funding and mitigation;  
18 second, plaintiffs contend that the Service's findings regarding  
19 the biological effects of the Plan on covered species are  
20 arbitrary and capricious. As explained below, under the APA's  
21 deferential standard of review, the Service's findings largely  
22 pass muster with respect to the Plan as a whole;<sup>15</sup> however, with  
23

---

24 <sup>14</sup> See nn. 22, 31, infra (discussing plaintiffs' sixth,  
25 seventh, and eighth causes of action).

26 <sup>15</sup> The sole exception is the Service's finding, under §  
1539(a)(2)(B)(ii), that the Plan minimizes and mitigates take to  
the maximum extent practicable. See Part IV.B, infra.

1 respect to the City's Permit, the Service's findings do not.  
2 Many of the provisions of the HCP are based on the assumption  
3 that all of the land-use agencies with jurisdiction over parts of  
4 the Basin will become permittees. Similarly, the Service's  
5 findings are plainly geared toward the regional nature of the  
6 HCP, and do not adequately reckon with the local nature of the  
7 Permit or analyze what would happen if the City's lands were  
8 developed under the HCP, while the lands outside the City limits  
9 were developed piecemeal, by individual landowners, outside the  
10 HCP and the protections provided by the HCP. The importance of  
11 this point is most obvious with respect to the funding mechanism,  
12 which relies on future fee increases to fund current increases in  
13 land acquisition costs. Because reserve land acquisition lags  
14 behind the development that funds it, the funding mechanism must  
15 play catch up, passing increased costs on to the next developer.  
16 The Plan can cope with increased expenses for mitigation,  
17 monitoring, and the like, only so long as there exists a ready  
18 supply of land to be developed under the HCP. The biological  
19 findings, too, are based on inadequate consideration of the  
20 tension between the regional Plan and the local Permit. The  
21 record contains no particularized analysis of the importance of  
22 the City's lands as habitat, and no consideration of how the  
23 species will fare if the City's lands are developed under the  
24 Plan and the some or all of the remainder of the Basin is fully  
25 developed outside the HCP. Similarly, although the 1997  
26 Biological Opinion concedes that large blocks of reserve lands

1 may not be possible if only the City is a permittee, there is no  
2 analysis of the consequences - particularly for the GGS -- of  
3 abandoning the goal of large connected blocks of reserve lands.

4 A. ESA § 10(a)(2)(A) -- minimum criteria for a habitat  
5 conservation plan

6 Plaintiffs argue that the Service's approval of the HCP is  
7 improper because the HCP does not adequately disclose its impacts  
8 on covered species and their habitat. ESA § 10(a)(2)(A) states  
9 that no incidental take permit may be issued unless the applicant  
10 submits an HCP that meets certain requirements. See 16 U.S.C. §  
11 1539(a)(2)(A). One such requirement is that the HCP specify "the  
12 impact which will likely result from such taking." Id. As noted  
13 above, the HCP does discuss the impact that will likely result  
14 from development activities, rice farming, and operation of water  
15 conveyance systems in the Natomas Basin. While the Plan and  
16 associated supporting documents do not make specific quantitative  
17 estimates of take, they do make general assessments of the effect  
18 of development under the Plan as to the various species affected,  
19 particularly the GGS and the Swainson's hawk. Plaintiffs argue,  
20 however, that the ESA requires precise quantitative measures of  
21 take. According to plaintiffs, the HCP must estimate the number  
22 of individual members of a species within the Permit area and  
23 must then estimate the number of members of the species that will  
24 be taken. Plaintiffs cite no authority for this interpretation  
25 of the ESA. The Secretary's contrary interpretation of the  
26 statute is entitled to deference. See Chevron, Inc. v. National  
Resources Defense Council, 467 U.S. 837, 844, 104 S. Ct. 2778,

1 2782 (1984). The court finds that the HCP meets the minimum  
2 requirements for a habitat conservation plan.

3 B. ESA § 10(a)(2)(B)(ii) -- minimize and mitigate the impact  
4 of permitted takings "to the maximum extent practicable"

5 Plaintiffs argue that the Service's (B)(ii) finding, that  
6 the Plan will minimize and mitigate takings to the maximum extent  
7 practicable, is arbitrary and capricious because the Service  
8 failed to consider any alternatives involving greater mitigation  
9 measures. "Normally, an agency rule would be arbitrary and  
10 capricious if the agency has . . . entirely failed to consider an  
11 important aspect of the problem." Motor Vehicle Manufs. Ass'n v.  
12 State Farm Automobile Ins. Co., 463 U.S. 29, 43, 103 S. Ct. 2856,  
13 2867 (1983). As authority for the proposition that discussion of  
14 additional mitigation measures that are deemed impracticable is  
15 "an important aspect" of a (B)(ii) finding, plaintiffs cite the  
16 Service's HCP Handbook, which states that:

17 [P]articularly where adequacy of mitigation is a close call,  
18 the record must contain some basis to conclude that the  
19 proposed program is the maximum that can be reasonably  
20 required by that applicant. This may require weighing the  
21 benefits and costs of implementing additional mitigation,  
22 the amount of mitigation provided by other applicants in  
23 similar situations, and the abilities of that particular  
24 applicant.

25 (Pls.' Exh. 6 at 7-3.) As discussed above, the HCP, the 1997  
26 Biological Opinion, and the F&Rs discuss three alternative HCP  
strategies, none of which involves additional mitigation.. (See  
n.8, supra.)

The Secretary argues that the HCP Handbook is not legally

1 binding. There is room for argument on this point,<sup>16</sup> but  
2 assuming the Secretary is correct, the most reasonable reading of  
3 the statutory phrase "maximum extent practicable" nonetheless  
4 requires the Service to consider an alternative involving greater  
5 mitigation. See Sierra Club v. Babbitt, 15 F. Supp. 2d 1274,  
6 1279-81 (S.D. Ala. 1998). "The Administrative Record must  
7 contain some analysis of why the level or amount selected is  
8 appropriate for the particular project at issue." Id. at 1282.  
9 The linchpin of the HCP is the .5 to 1 preserved to developed  
10 acre ratio and the mitigation fee that is based on this ratio.  
11 Thus, to consider an alternative providing greater mitigation, in  
12 the context of this HCP, the record should provide some basis for  
13 concluding, not just that the chosen mitigation fee and land  
14 preservation ratio are practicable, but that a higher fee and  
15 ratio would be impracticable.

16 The Secretary does not appear to disagree with the above  
17 analysis but rather argues that the record does adequately  
18 demonstrate that the HCP provides for the maximum practicable

19 \_\_\_\_\_  
20 <sup>16</sup> The "abrupt reversal" rule relied upon by plaintiffs does  
21 not appear to apply where the earlier, allegedly inconsistent,  
22 interpretation is contained in an agency manual, which lacks the  
force of law. The Supreme Court has contrasted such internal  
"interpretations" with those that are:

23 arrived at after, for example, a formal adjudication or  
24 notice-and-comment rulemaking. Interpretations such as  
25 those in opinion letters -- like interpretations contained  
in policy statements, agency manuals, and enforcement  
26 guidelines, all of which lack the force of law -- do not  
warrant Chevron-style deference.

Christensen v. Harris County, -- U.S. --, 120 S. Ct. 1655, 1662  
(2000).

1 mitigation fee and reserve land ratio. However, the record is  
2 nearly non-existent on this matter. There are conclusory  
3 statements in the record to the effect that "the common and local  
4 wisdom is that a fee in the range from \$2000 to \$2500 per acre is  
5 practicable," (AR 23:03888, 03891; AR 23:03904, 03906), but the  
6 record is devoid of evidence that the Service subjected this  
7 assumption to any examination or attempted to determine if a  
8 higher base fee would also be practicable. There is no economic  
9 analysis,<sup>17</sup> discussion of mitigation fees in similar plans and  
10 circumstances, or even representations from particular  
11 landowners. The Secretary insists that "there was evidence  
12 provided by SAFCA's consultant" showing that a fee in the range  
13 of \$2000 to \$2500 per acre was the maximum practicable amount.  
14 But the sources cited simply state the conclusion, based on  
15 "local wisdom," without argument or analysis. (See Def.'s Mem.  
16 Points and Authorities at 27-28, citing AR 23:03891; AR  
17 23:03931.) The June 23, 1995 Memorandum from SAFCA's consultant  
18 to the Service refers to a "substantial financial analysis"  
19 showing that a fee in that range is practicable. (See AR  
20 23:03931.) For the inverse proposition, however, the Memorandum  
21 relies on no such analysis, but states simply that "some of the  
22 working group members can explain why exceeding that projected  
23 habitat fee would have significant adverse economic impacts."

24

---

25 <sup>17</sup> At oral argument, counsel for the Secretary pointed to  
26 the economic analysis attached as an exhibit to the Plan;  
however, this analysis does not examine whether a higher fee  
would be feasible.

1 (See id.) The plain language of the statutory provision  
2 requiring that the Plan minimize and mitigate its effects "to the  
3 maximum extent practicable" is not satisfied by a fee set, as  
4 here, at the minimum amount necessary to meet the minimum  
5 biological necessities of the covered species. The record lacks  
6 adequate evidence and analysis of whether a fee higher than that  
7 initially proposed by the working group would be economically  
8 practicable.

9 The Secretary finds support for the (B)(ii) finding in part  
10 in the Plan's provision allowing increases in the mitigation fee  
11 as necessary to cover increased costs. But increases over the  
12 life of the Plan are capped at 50% of the initial base fee for  
13 most, although not all, types of expenditures.<sup>18</sup> Moreover,  
14 because fee increases are not applied retroactively, the Plan's  
15 provisions for fee increases can be expected to produce revenue  
16 only if and to the extent that future developers are willing to  
17 participate in the HCP. The problem that this mitigation  
18 structure presents is particularly acute for the City's Permit,  
19 given the relatively small portion of the Basin within the City  
20 and the pace at which development of the City's land is expected.  
21 Thus, it is possible, even likely, that City developers will  
22 avoid the future substantial increases in the mitigation fee that  
23 will be borne by out of City developers. While this structure  
24 may make sense, at least without analysis and explanation, it is  
25

---

26 <sup>18</sup> Most significantly, the cap does not apply to fee increases necessitated by increased land acquisition costs.

1 not obvious how the Secretary concluded that City developers  
2 would pay a fee that is the maximum practicable, particularly  
3 when later developers are expected to pay a much larger fee. In  
4 short, the Secretary's conclusion that \$2240 per acre is the  
5 maximum practicable initial base mitigation fee is unsupported by  
6 substantial evidence in the record, and therefore is arbitrary  
7 and capricious.

8 One additional aspect of the Plan renders the (B)(ii)  
9 finding vulnerable. The Plan provides for, and the ITP  
10 authorizes, any take "that is incidental to normal rice farming  
11 activities." (AR 10:1657 at IV-6.) The Plan does not require  
12 even that rice farmers use "best management practices." The  
13 ostensible rationale for this decision is to encourage rice  
14 farming in the Basin, which is believed to provide important  
15 habitat for the GGS. (See id.) The record reveals no basis,  
16 however, for the Service's apparent conclusion that the Plan's  
17 failure to require best management practices of Basin rice  
18 farmers as a condition of coverage under the ITP is, on balance,  
19 beneficial to the GGS, or for a conclusion that further  
20 minimization of take by requiring best management practices would  
21 be impracticable or would discourage rice farmers from continuing  
22 to farm.

23 For these reasons, the Service's (B)(ii) finding is  
24 arbitrary and capricious considering the HCP as a whole and the  
25 City's Permit in particular.

26 C. ESA § 10(a)(2)(B)(iii) -- adequate funding

1 Plaintiffs argue that the Service's finding that the City  
 2 would "ensure" adequate funding for the Plan is arbitrary, for  
 3 two reasons. First, plaintiffs contend that the initial  
 4 mitigation fee, even in light of the Plan's provisions for fee  
 5 increases, is inadequate to cover the costs of the various  
 6 components of the mitigation program. The record, however,  
 7 provides an adequate basis for the Secretary's conclusion to the  
 8 contrary. The initial fee was set based on the estimated needs  
 9 of the NBC prepared by experts retained by SAFCA. (See AR  
 10 10:1657 at IV-54.) Although plaintiffs point to evidence in the  
 11 record suggesting that the fee was deemed inadequate by some, the  
 12 Service's decision to rely on SAFCA's analysis is entitled to  
 13 deference.<sup>19</sup> See Marsh, 490 U.S. at 378, 109 S. Ct. at 1861  
 14 (agency has discretion to select among competing expert  
 15 opinions).

16 Second, plaintiffs argue that the (B)(iii) finding was  
 17 arbitrary and capricious with respect to the City's permit, in  
 18 light of the City's explicit refusal to "ensure" funding in the  
 19 event of a shortfall. This argument has merit. Plaintiffs argue  
 20 that nothing in the record supports the HCP's assertion, endorsed  
 21 in the F&Rs, that:

22 The [Natomas Basin] HCP can be implemented independently by  
 23 some individual permittees, but not by others, without

---

24 <sup>19</sup> Plaintiffs argue that the assumption made by SAFCA's  
 25 expert that land could be acquired for agricultural values was  
 26 arbitrary in light of evidence that speculation concerning  
 development is already driving prices up. But the Secretary's  
 reliance on the Plan provision permitting fee increases as needed  
 to account for increased land prices is not unreasonable.

1 adversely affecting the conservation program as a whole.  
2 This is because each land use agency is responsible under  
3 the Plan for mitigating the effects of urban development  
4 occurring within its respective permit area, regardless of  
5 the actions of other agencies.

6 (AR 10:1657 at I-5; see also AR 9:1513 at 1520-21.) Indeed, the  
7 record suggests a much more complicated picture than the Plan  
8 depicts concerning the consequences of nonparticipation by the  
9 other land-use agencies with jurisdiction over parts of the  
10 Basin. Given that the Plan does not permit retroactive fee  
11 increases, increases in the mitigation fee will be applied only  
12 to land developed after the need for a greater fee becomes  
13 apparent and the fee increase is approved. Thus, the Plan's  
14 funding mechanism depends on continual infusions of new  
15 developable land to provide funding for mitigation necessitated  
16 by previous development. Regardless of the City's incentives, if  
17 most or all of the City's land has been developed by the time the  
18 need for additional mitigation funding becomes apparent -- a  
19 likelihood if the City lands are rapidly developed under the  
20 current fee -- there may simply be no land left to which an  
21 increased fee could be applied. Given the Plan's acknowledgment  
22 that it is uncertain whether land-use agencies other than the  
23 City will submit applications, the statement that "each land use  
24 agency is responsible under the Plan for mitigating the effects  
25 of urban development occurring within its respective permit  
26 area," (AR 10:1657 at I-5), is not accurate with respect to the  
City, which refused to "ensure" funding for the mitigation  
necessitated by development under its permit.

1 The ESA requires that, before issuing an ITP, the Secretary  
2 must find, among other things, "that the applicant will ensure  
3 that adequate funding for the plan will be provided." 16 U.S.C.  
4 § 1539(a)(2)(B)(iii). The record reflects that the Service  
5 initially sought to require the City to ensure that funding would  
6 be available for necessary mitigation, rather than creating a  
7 funding scheme that was projected to be adequate. (See AR  
8 11:01712; id., attachment, at 40.) The City rejected the  
9 Service's proposed change, "because it broadly imposes liability  
10 on the City to 'ensure' the plan." (See AR 11:01712.)<sup>20</sup> The  
11 Service relented on the point and issued the permit, despite the  
12 possibility that, should funding under the City's Permit prove  
13 inadequate, no entity will be responsible for making up the  
14 funding shortfall, and there may not be any future permittee to  
15 whom increased costs may be shifted. This seems to frustrate the  
16 statutory requirement that funding for mitigation be ensured.<sup>21</sup>

17 It is not clear that a funding mechanism that is not backed  
18

---

19 <sup>20</sup> The question whether the City's stated reason was valid  
20 is not before the court. Even assuming that the City's  
21 explanation -- that it was without authority under the California  
22 Constitution to "ensure" funding -- is meritorious, and that the  
23 City could not purchase private insurance with funds from a  
24 higher mitigation fee, § 10(a)(2)(B)(iii) makes no exception for  
25 applicants who are legally incapacitated from fulfilling the  
26 requirements of the ESA.

27 <sup>21</sup> Indeed, the Secretary concedes, in his briefing on this  
28 motion, that the ESA requires "that the Service must ensure  
29 mitigation will occur," before permitting development that will  
30 destroy habitat. (See Fed. Defendants' Reply at 19, n.20  
31 (emphasis in original); see also id. at 8 ("for every acre of  
32 land developed . . . the City must ensure that half an acre of  
33 land is purchased, specifically restored and managed for wildlife  
34 values, and protected in perpetuity") (emphasis added).)

1 by the applicant's guarantee could ever satisfy the requirement  
2 of § 1539(a)(2)(B)(iii) that the applicant "ensure" funding for  
3 the Plan. Assuming, however, that a cost shifting mechanism  
4 "ensures" funding within the meaning of § 1539(a)(2)(B)(iii), in  
5 these circumstances, where the adequacy of funding depends on  
6 whether third parties decide to participate in the Plan, the  
7 statute requires the applicant's guarantee. Cf. Sierra Club v.  
8 Babbitt, 15 F. Supp. 2d 1274, 1282 (reliance on speculation as to  
9 funding from third parties is arbitrary and capricious); Sierra  
10 Club v. Marsh, 816 F.2d 1376 (9th Cir. 1987) (action agency  
11 cannot "insure" project will not jeopardize species based on  
12 promise of future mitigation measures).

13 The City contends that the threat of permit revocation  
14 provides "the strongest protection possible," and thus satisfies  
15 the ESA's requirement that the applicant "ensure" funding.  
16 (City's Mem. Points and Authorities at 31.) The Service's  
17 discretion to revoke a permit for violation of a condition,  
18 however, does not seem to satisfy the statute's requirement that  
19 the applicant ensure the adequacy of funding. See 16 U.S.C. §  
20 1539(a)(2)(B)(iii).

21 In the face of the City's refusal to "ensure" funding, the  
22 Secretary's (B)(iii) finding with respect to the City's ITP is  
23 either at odds with the evidence in the record or is based on the  
24 City's untenable reading of the statute. In either case, while  
25 the Service's (B)(iii) finding is not arbitrary with respect to  
26 the Plan as a whole, it is arbitrary and capricious with respect

1 to the City's Permit.<sup>22</sup>

2 D. ESA § 10(a)(2)(B)(iv) -- Survival and Recovery, and §  
3 7(a)(2) -- No Jeopardy

4 Plaintiffs argue that in making the findings required by ESA  
5 §§ 10(a)(2)(B)(iv) and 7(a)(2) (collectively, the "no jeopardy"  
6 findings), the Service failed adequately to explain how habitat  
7 loss authorized by the HCP would avoid jeopardizing the continued  
8 survival of the Giant Garter Snake, Swainson's hawk, and other  
9 covered species.<sup>23</sup> Failure by the Service to articulate a  
10 "rational connection" between the no jeopardy findings and the  
11 available facts may render the findings arbitrary and capricious.  
12 See Friends of Endangered Species v. Jantzen, 760 F.2d at 982.  
13 The no jeopardy findings, like the (B)(ii) and (B)(iii) findings,

14  
15 <sup>22</sup> Plaintiffs' sixth cause of action also relates to the  
16 adequacy of the Plan's provisions for funding mitigation. The  
17 sixth cause of action alleges that the Secretary improperly  
18 provided a "no surprises" assurance to the City, whereby the  
19 Service agreed not to seek additional commitment of resources for  
20 mitigation in the event that unforeseen circumstances required  
21 greater mitigation than expected. Defendants observe, however,  
22 that it is undisputed that the "no surprises" provision of the  
23 HCP is presently without effect, and seek dismissal of this cause  
24 of action on ripeness grounds. Plaintiffs allege that the  
25 Secretary intends to reinstate the provision. In the event that  
26 the Secretary takes final agency action to effectuate the "no  
surprises" provision, however, plaintiffs may challenge the  
action at that time. At this point the sixth cause of action is  
properly dismissed as unripe, without prejudice to later  
refiling. See Lujan v. National Wildlife Federation, 497 U.S.  
871, 873, 110 S. Ct. 3177, 3181 (1990).

24 <sup>23</sup> In most respects, as plaintiff concedes, the finding  
25 required by § 7(a)(2) is identical to that required by §  
26 10(a)(2)(B)(iv). Section 7(a)(2) contains one additional  
requirement, however. In preparing a finding under that section,  
the agency must use the "best scientific and commercial data  
available." 16 U.S.C. § 1536(a)(2). See Part IV.D.3, infra.

1 are undermined by the administrative record's focus on the  
2 regional HCP. Although the no jeopardy findings are adequately  
3 supported by the record if the Service's assumption that  
4 Sacramento and Sutter Counties will seek ITPs under the Plan is  
5 valid, the Service failed adequately to consider whether the  
6 findings could be made with respect to the issuance of an ITP to  
7 the City alone. In short, while the no jeopardy findings are not  
8 arbitrary with respect to the Plan, they are arbitrary with  
9 respect to the Permit.

10 (1) The Plan

11 Plaintiffs argue that the Service's no jeopardy findings are  
12 arbitrary and capricious for five reasons: (1) The Service  
13 "failed to articulate a rational connection between [the  
14 findings] and the fact that tens of thousands of acres of habitat  
15 will be destroyed and degraded under the HCP"; (2) the Service  
16 failed to explain its change in policy position on the habitat  
17 protections needed by covered species; (3) the Service  
18 "improperly ignored, and failed to explain its departure from,  
19 uncontradicted expert evidence regarding the survival and  
20 recovery needs of the imperiled species"; (4) the Service's no  
21 jeopardy findings are based on improper speculation; and (5) the  
22 Service failed to articulate a rational connection between the no  
23 jeopardy findings and the "admitted fact that the HCP's initial  
24 conservation strategy is highly uncertain to succeed." (Pls.'  
25 Mem. Points and Authorities at ii-iii.)

26 As to plaintiffs' first argument, plaintiffs' principal

1 contention is that the Service's reliance on the HCP's forecast  
2 of 17,500 acres of development over the 50 year term of the ITP  
3 is arbitrary. Plaintiffs argue that "up to 32,000 acres of  
4 habitat in the Natomas Basin" will be destroyed under the HCP.  
5 (Pls.' Mem. Points and Authorities at 21.) Plaintiffs have not  
6 established, however, that the Service's reliance on the 17,500  
7 acre figure is unreasonable, and the Service adequately  
8 articulated its basis for the estimate.<sup>24</sup> (See AR 9:1563 at  
9 1566; AR 9:1638 at 2.) Moreover, there are two important  
10 safeguards that justify reliance on the 17,500 acre figure.  
11 First, the HCP calls for a review at 9,000 acres, with a  
12 moratorium on development past 12,000 acres pending completion of  
13 the review. If the pace of development at that point exceeds  
14 expectations, various modifications may be requested or required,  
15 including a revocation of the permit. And second, because the  
16 17,500 acre assumption is so central to the HCP, any significant  
17 departure from that figure would require reinitiation of  
18 consultation, again possibly leading to revocation or substantial  
19 modification of the permit. Based on the forecast of 17,500  
20 acres, and using the 1:.5 development to preservation ratio, the  
21 Service concurred with the HCP's estimate that 8750 acres of  
22 reserve land would be protected under the Plan, and that most of  
23 the remainder of the Basin would be in agricultural lands, which

---

24  
25 <sup>24</sup> The 1997 Biological Opinion explains that the 17,500 acre  
26 figure is a prediction based on the City's and Counties' General  
Plans, which the Service deemed to provide "a reasonable basis  
for predicting the extent and location of future urban  
development." (AR 9:1563 at 1566.)

1 frequently provide excellent habitat. The Service concluded that  
2 the reserve lands, together with undeveloped land kept in  
3 agriculture, would suffice to maintain, and in some cases  
4 increase, the Basin's populations of covered species. (See AR  
5 9:1563 at 1581 (giant garter snake); id. at 1583 (Swainson's  
6 hawk); id. at 1586 (vernal pool species); id. at 1588 (other  
7 covered species).)

8 Plaintiffs argue, in addition, that the Service's failure to  
9 include "basic information," such as the baseline condition and  
10 conservation needs of the species, and the effects of the HCP,  
11 undermines the "rational connection" between the no jeopardy  
12 findings and the record. In fact, the 1997 Biological Opinion  
13 addresses each of these issues in detail. (See AR 9:1563 at  
14 1573-79 (baseline); id. at 1579-91 (conservation needs and  
15 effects).) Plaintiffs' contention appears to be that the ESA  
16 requires detailed quantitative information as to each of these  
17 factors prior to the issuance of a permit, but plaintiffs cite no  
18 authority for such a requirement,<sup>25</sup> and such a requirement would  
19 not be reasonable. For the Giant Garter Snake, for example, a  
20 reclusive species, it would be extraordinarily difficult to count  
21 the number of individual snakes, determine their habitat and  
22

---

23 <sup>25</sup> Plaintiffs' reliance on the Service's HCP Handbook for  
24 this proposition is misplaced. First, as discussed at n.16,  
25 supra, the Handbook is not binding on the Service. Second, the  
26 Handbook recognizes that "all information may not be available  
for all species." (See Federal Defs.' Mem. Points and  
Authorities at 60, n.37.) Moreover, the Service is required to  
work with the evidence available to it. See 51 Fed. Reg. 19926  
at 19951.

1 habits, and reach conclusions as to their genetic makeup and  
2 variability. Instead, the 1997 Biological Opinion makes certain  
3 assumptions about the species based upon potential loss of  
4 habitat, which is a reasonable approach. Moreover, the Plan  
5 overprotects by assuming that any acre lost to development is  
6 potential habitat requiring the 1:.5 mitigation.

7 Plaintiffs' second major contention is that the Service  
8 retreated from earlier policy positions without providing a  
9 "reasoned analysis." The "earlier policy positions" identified  
10 by plaintiffs, however, involved mitigation proposals for a  
11 different, and larger, project -- the Army Corps of Engineers'  
12 proposed 200 year flood control project for the Basin. The  
13 Service documents cited by plaintiffs discuss the potential  
14 impact on wildlife in the Basin of development of a projected  
15 22,000 to 31,000 acres -- up to 75% more than the level  
16 anticipated under the Plan. (See AR 2:00536; AR 6:00886.) The  
17 only statement identified by plaintiffs as to which the Service's  
18 later opinions arguably constitute a change is the following  
19 statement, in a 1993 memorandum from the Service's Division of  
20 Ecological Services to the Regional Director:

21 any significant adverse effects to the giant garter snake  
22 population in the Natomas basin would reduce the likelihood  
23 for survival and recovery of this species . . . current  
development plans . . . do not contain adequate mitigation  
for the loss of snake habitat.

24 (AR 2:00536.) This document, however, is premised on projected  
25 development of 31,000 acres, and concludes that even that level  
26 of development could be mitigated. The 1993 memorandum,

1 therefore, is in no way inconsistent with the Service's later,  
2 more detailed finding that the final HCP, if implemented,  
3 provides adequate mitigation for projected development under the  
4 Plan.<sup>26</sup>

5 Third, plaintiffs contend that the Service improperly  
6 ignored, and failed to explain its disregard of, "uncontradicted  
7 expert evidence" regarding the inadequacies of the Plan. Many of  
8 the expert comments identified by plaintiffs, however, concerned  
9 earlier drafts of the HCP, and the record is replete with  
10 documentation of the Service's consideration of those comments  
11 and either its reasoned rejection of the comments or  
12 incorporation of them into suggested Plan amendments. (See,  
13 e.g., AR 9:01513 (attachment).) Moreover, many of the comments  
14 considered by the Service -- indeed, many of the comments relied  
15 upon by plaintiffs -- are inconsistent with one another. (See,  
16 e.g., Pls.' Mem. Points and Authorities at 35 & n.41 (detailing  
17 disagreement between Carrier, Hansen, and Wylie as to importance  
18 of rice fields as giant garter snake habitat). "When specialists  
19 express conflicting views, an agency must have discretion to rely  
20

---

21 <sup>26</sup> Plaintiffs' argue that there is evidence in the record  
22 suggesting that the Service may have been influenced by political  
23 pressure. Even were this the case, it would not require  
24 invalidation of the ITP. First, the evidence cited does not  
25 establish that the Service's motivations were other than  
26 scientific. Second, under the ESA, so long as the Secretary's  
decision is scientifically valid, he is not required "to justify  
his decision based solely on apolitical factors." Southwest  
Center for Biological Diversity v. U.S. Bureau of Reclamation,  
143 F.3d 515, 523 & n.5 (9<sup>th</sup> Cir. 1998). It would be odd if in a  
democratic system of government those most affected by the  
Secretary's decisions were unable to contact their  
representatives to enlist their assistance.

1 on the reasonable opinions of its own qualified experts." Marsh  
2 v. Oregon Natural Resources Council, 490 U.S. at 378, 109 S. Ct.  
3 at 1861.

4 With respect to the Swainson's hawk, however, plaintiffs'  
5 assert that the Service's own experts "essentially acknowledged  
6 the legitimacy" of hawk expert Samuel Estep's concerns regarding  
7 (1) the HCP's failure to adequately address its effects on the  
8 hawk; (2) the Plan's failure to adequately mitigate the loss of  
9 foraging habitat; and (3) the Plan's failure to describe habitat  
10 enhancement or preservation measures for the hawk. (See Pls.'  
11 Mem. Points and Authorities at 36 n.43, citing Pls.' Compendium  
12 of Exhibits, Exh. 3.) In fact, the document in question, a staff  
13 summary of public comments and the Service recommendations in  
14 response thereto, notes that "there appears to be some  
15 disagreement" about the "substance and seriousness of these  
16 concerns." (See Pls.' Compendium of Exhibits, Exh. 3.)

17 Plaintiffs' fourth contention is that the Service improperly  
18 speculated as to the likely success of the Plan's conservation  
19 measures. The subjects of "speculation" that plaintiffs identify  
20 include: (1) that habitat areas will be available for  
21 acquisition; (2) that local governments and landowners will  
22 cooperate in the NBC's efforts to acquire reserve lands; (3) that  
23 development under the plan will not exceed 17,500 acres; (4) that  
24 waterways and rice farms outside the reserves will be managed for  
25 the benefit of covered species; and (5) that reserve lands will  
26 have an adequate water supply.

1           The uncertainties to which plaintiffs object do not  
2 undermine the "rational connection" between the no jeopardy  
3 findings and the evidence in the record. Plaintiffs' first,  
4 second, and fifth charges of "speculation" are concerned with the  
5 uncertainties inherent in the market-based mitigation mechanism  
6 employed by the HCP. The NBC is given funds and acquisition  
7 criteria, and permitted to compete in the marketplace for land  
8 and for water rights.<sup>27</sup> In the absence of any identified  
9 "critical habitat" in the Basin, or substantial evidence in the  
10 record that the market for land and water rights will not  
11 function -- that is, that land and water rights will be  
12 unavailable to the NBC even if the Plan provides adequate funding  
13 -- the adoption of such a market-based mitigation structure is  
14 not an arbitrary or otherwise impermissible exercise of the  
15 Secretary's discretion. As to the 17,500 acre estimate, as noted  
16 above, the Secretary's adoption of this forecast is not arbitrary  
17 or capricious. Plaintiffs' fourth charge of speculation  
18 concerning management of waterways and rice farms is equally  
19 meritless. Plaintiffs offer no evidence that any such  
20 "assumption" is necessary for the Secretary's conclusion that the  
21 Plan will achieve its conservation goals. Moreover, the  
22 Secretary is powerless to control activities on private land  
23 other than by a § 9 suit. The Secretary is entitled to assume  
24 that under the Plan, as before it, the prospect of a § 9 suit

---

25  
26           <sup>27</sup> The Plan includes "an adequate water supply and adequate  
water rights" among the criteria for wetland reserve acquisition.  
(See AR 10:1657 at IV-9 to IV-10.)

1 will deter unpermitted take and that citizens generally obey the  
2 law.

3 As to plaintiffs' final challenge to the no jeopardy  
4 findings, which concerns the allegedly uncertain success of the  
5 HCP's initial conservation strategy, plaintiffs appear to contend  
6 that, in the face of incomplete data as to species' recovery  
7 needs and uncertainty as to the efficacy of the HCP, the  
8 Service's issuance of the ITP is arbitrary and capricious.  
9 Plaintiffs provide no authority for the duty they seek to impose  
10 on the Secretary, the resolution of all uncertainties before  
11 proceeding with a Plan, nor is any such duty apparent from the  
12 text of the ESA or case law. A certain degree of what plaintiffs  
13 label "speculation" and "uncertainty" is inevitable in any  
14 decisionmaking process, particularly one as complicated as that  
15 which led to the issuance of the ITP. The law does not require  
16 that the Secretary achieve certainty before acting. See  
17 Greenpeace Action v. Franklin, 14 F.3d 1324, 1336 (9<sup>th</sup> Cir.  
18 1993).

19 (2) The Permit

20 Although the Service's no jeopardy findings are not  
21 arbitrary and capricious with respect to the Plan as a whole --  
22 that is, assuming that Sacramento and Sutter Counties will seek  
23 permits under the Plan -- the record is startlingly devoid of  
24 support for the findings with respect to the possibility that  
25 only the City would participate in the Plan. This is  
26 understandable, perhaps, given the regional approach of the HCP

1 which is its greatest strength. But the court does not have  
2 before it what the drafters of the Plan apparently envisioned, a  
3 permit or permits for all of the jurisdictions within the Basin;  
4 rather, the court has for review only a permit for the City, and  
5 may not assume that other jurisdictions will also join in the  
6 HCP.

7 The Service's expert analysis of the likely impacts of the  
8 Plan assumes that all Basin development occurs under the HCP  
9 subject to the mitigation fee. As discussed above, the record  
10 provides insufficient consideration by the Service of whether  
11 funding for mitigation would be adequate if only the City's lands  
12 were developed under the Plan. Moreover, the record contains  
13 little or no analysis of the effect on the species of the City's  
14 permit considered on its own. Thus, there is no analysis of the  
15 importance of the City's lands as habitat for covered species.  
16 At oral argument, counsel for the Secretary asserted that the  
17 court could assume that the City's lands were less valuable  
18 habitat than other Basin lands, but the court cannot so assume;  
19 it must rely on the considered judgment of the Service and the  
20 record. Here, the Service did not assess the importance of the  
21 City's lands and made no analysis of the effects of the  
22 development of the City's lands were the protective features of  
23 the HCP not in place in the rest of the Basin. It cannot be  
24 assumed that if valuable habitat lands in the City are developed,  
25 equally valuable habitat lands may be protected elsewhere in the  
26 Basin because those lands may be developed outside of the HCP and

1 may not be protected.

2 Furthermore, there is little discussion of the effect on the  
3 GGS if the Plan's goal of large connected blocks of reserve lands  
4 cannot be met because only the City participates in the Plan.  
5 Such a fundamental change in the Plan's conservation strategy  
6 requires discussion. Yet the Service merely acknowledges the  
7 problem without explaining how the reserves set aside by the  
8 City's development will be adequate to protect the GGS and the  
9 other affected species.

10 The problem of the reserve lands is just an example of a  
11 larger problem when the Plan is applied only to the City's Basin  
12 lands. The Secretary concedes that the ITP will result in take  
13 of threatened species, including between 14 and 37% of the Basin  
14 population of the GGS, but relies on certain features of the  
15 Plan, including the monitoring, adaptive management, and 9,000  
16 acre review provisions, to adequately mitigate the impact of the  
17 take. The Secretary's emphasis on these provisions, however,  
18 only underscores the tension between the MCP's regional nature  
19 and the local focus of the ITP and the Service's biological  
20 findings. Based on the projected development in City's area of  
21 the Basin, the midcourse review will come too late to result in  
22 any change with respect to the City's permit. The record shows  
23 that the portion of the Basin with approved development plans,  
24 most of which is in the City, is expected to be developed  
25 quickly, (see AR 39:06331 at 3 ("these acres will go fast.")),  
26 while the pace of development in the Counties is largely unknown.

1 (See AR 9:1513 at 1514.) Thus, the halfway point moratorium and  
2 opportunity for mid-course correction, so important to the HCP,  
3 are irrelevant to the City's permit, which contains no analogous  
4 features for correction and reconsideration.<sup>28</sup> Similarly, the  
5 record does not suggest that the Service considered whether the  
6 monitoring and adaptive management provisions of the regional  
7 Plan could be effective if the City is the sole permittee. Given  
8 the evidence that the City's lands will be developed quite  
9 quickly, the Service's failure to consider whether the survival  
10 of the species will be put at risk by the City's permit, if the  
11 regional mitigation approach of the HCP is not available, is  
12 arbitrary and capricious.

13 (3) Best Scientific Data Requirement

14 As noted above, the Service's § 7(a)(2) finding is subject  
15 to one additional statutory requirement to applicable to a  
16 finding under § 10(a)(2)(B)(iv). Under § 7(a)(2), the agency  
17 must use the "best scientific and commercial data available." 16  
18 U.S.C. § 1536(a)(2). Plaintiffs argue that the "best scientific  
19 and commercial data" requirement should be interpreted to require  
20 the Service to refuse to issue a permit where the available data  
21 is incomplete. Plaintiffs' statutory interpretation is  
22 unpersuasive. On its face, § 7(a)(2)'s requirement that the

---

24 <sup>28</sup> The record reflects acknowledgment of this flaw by at  
25 least one Fish and Wildlife Service expert. (See AR 39:06331  
26 (DeWeese Memorandum, recommending that the Service retain "the  
option to evaluate the recovery efforts every 5,000 acres.")  
There is no indication in the record why this recommendation was  
disregarded.

1 Service use the "best available" data does not require perfect  
2 data. The most reasonable reading of the statute permits the  
3 Service to take action based on imperfect data, so long as the  
4 data is the best available. See Greenpeace Action v. Franklin,  
5 982 F.2d at 1355 ("When an agency relies on the analysis and  
6 opinion of experts and employs the best evidence available, the  
7 fact that the evidence is . . . not dispositive, does not render  
8 the agency's determination 'arbitrary and capricious'"); see also  
9 Greenpeace v. National Marine Fisheries Service, 55 F. Supp. 2d  
10 1248, 1262 (W.D. Wash. 1999) (Section 1536(a)(2) "requires 'far  
11 less' than conclusive proof."). The best scientific evidence  
12 requirement does not alter the general rule that "an agency must  
13 have discretion to rely on the reasonable opinions of its own  
14 qualified experts even if, as an original matter, a court might  
15 find contrary views more persuasive." Aluminum Company of  
16 America v. Administrator, Bonneville Power Administration, 175  
17 F.3d 1156, 1162 (9<sup>th</sup> Cir. 1999). The Service's § 7(a)(2) finding  
18 is not rendered arbitrary and capricious by the data gaps  
19 identified by plaintiffs.

20 Plaintiffs contend, however, that the Service has previously  
21 interpreted § 7(a)(2) to require the Service, when it encounters  
22 significant data gaps in the process of a § 7 consultation, to  
23 either postpone completion of the biological opinion or "give the  
24 benefit of the doubt to the species." (Pls.' Mem. Points and  
25 Authorities, at 58-59.) Plaintiffs argue that the Service's  
26 decision to issue the ITP constitutes an abrupt reversal of that

1 policy, and is thus entitled to less deference than would  
2 typically be applied. See State of Idaho, Dep't of Finance v.  
3 Federal Reserve System, 994 F.2d 1441, 1445 (9th Cir. 1993)  
4 (holding that an agency interpretation which conflicts with the  
5 agency's earlier interpretation is entitled less deference than a  
6 consistently maintained agency interpretation). The "abrupt  
7 reversal" rule generally does not apply to internal agency  
8 manuals, however,<sup>29</sup> nor is it clear that the agency manual relied  
9 upon by plaintiffs is inconsistent with the Secretary's current  
10 position.<sup>30</sup> Moreover, the Service's position does not appear to  
11 be inconsistent with existing regulations. The Service is  
12 obligated by regulation to "develop its biological opinion based  
13 upon the best scientific and commercial data available regardless  
14 of the 'sufficiency' of that data." See 51 Fed. Reg. 19926,  
15 19951 (final rulemaking with respect to 50 C.F.R. § 402).<sup>31</sup>

---

16  
17 <sup>29</sup> See n.16, supra.

18 <sup>30</sup> The Secretary contends that even if the Consultation  
19 Handbook were legally binding on it, the Handbook actually  
20 supports the § 7(a)(2) finding by stating that impact to a single  
21 population of a species will not normally be found to jeopardize  
22 the continued existence of the entire species. (See Def.'s Mem.  
23 Points and Authorities at 47.) The Consultation handbook also  
24 states that jeopardy analysis may be appropriate based on impacts  
25 to distinct populations which "are documented as necessary to  
26 both the survival and recovery of the species in a final recovery  
27 plan." (Consultation Handbook, J.A. 2:56 at 4-38.) As noted  
28 above, the HCP's adaptive management provisions permit the  
29 incorporation of changes in mitigation strategy based on final  
30 recovery plans for the giant garter snake and Swainson's hawk.

31 Plaintiffs' seventh and eighth causes of action concern  
alleged failures by the Service to enforce permit conditions by  
revoking the permit in the fact of alleged violations, or  
reinitiating consultation based on new information. Plaintiffs  
do not seek summary judgment on these causes of action, and move

V. Plaintiffs' NEPA Claim

1 Plaintiffs' ninth cause of action alleges that the Service  
 2 violated the National Environmental Policy Act ("NEPA") by  
 3 failing to prepare an environmental impact statement ("EIS") with  
 4 respect to the HCP, although one was clearly called for. The  
 5 court's review of the Service's decision not to prepare an EIS is  
 6 designed to "ensure that an agency has taken the requisite hard  
 7 look at the environmental consequences of its proposed action."  
 8 Greenpeace Action v. Franklin, 14 F.3d 1324, 1332 (9<sup>th</sup> Cir.  
 9 1993). Failure to address "certain crucial factors,  
 10 consideration of which was essential to a truly informed decision  
 11 whether or not to prepare an EIS," renders an agency's conclusion  
 12 that no EIS was necessary arbitrary and capricious. See  
 13 Foundation for North American Wild Sheep v. United States Dept.  
 14 of Agriculture, 681 F.2d 1172, 1178 (9<sup>th</sup> Cir 1982) (applying  
 15 reasonableness standard); see also Greenpeace Action v. Franklin,  
 16 14 F.3d at 1333.

18 In light of the factors enumerated in 40 C.F.R. § 1508.27,  
 19 the court is inclined to agree with plaintiffs, although it  
 20 appears that the Service did much or most of what would have been  
 21  
 22 under Rule 56(f) for denial without prejudice of defendants'  
 23 motion for summary judgment as to these causes of action. The  
 24 declaration of John Kostyack indicates that the parties had  
 25 previously agreed that plaintiffs' intention to seek discovery or  
 26 supplementation of the record on these issues would be deferred  
 until after the court's resolution of initial motions for partial  
 summary judgment on the causes of action related to the issuance  
 of the ITP.; (See Pls' Exh. 23 at ¶ 3.) The Kostyack declaration  
 establishes good cause for plaintiffs' inability to respond to  
 defendants' motion for summary judgment at this juncture. Thus,  
 denial without prejudice appears appropriate.

1 required by an EIS as part of the EA process. Many of the  
2 factors identified by the regulations point toward preparation of  
3 an EIS. For instance, the unique geographical characteristics of  
4 the Basin, namely its proximity to the City of Sacramento, prime  
5 farmlands, wetlands, and the confluence of the Sacramento and  
6 American rivers counsel in favor of an EIS. See 40 C.F.R. §  
7 1508.27(3). Similarly, the controversy concerning the likely  
8 effects of the Permit, and the degree to which the possible  
9 effects are uncertain implicate the very purpose of conducting an  
10 EIS. See 40 C.F.R. § 1508.27(4), (5). The record reflects not  
11 merely a post hoc assertion of scientific controversy by  
12 plaintiffs' own experts, as in Greenpeace Action, 14 F.3d at  
13 1334, but substantial controversy, and a degree of uncertainty  
14 conceded by the Service's own experts during the planning  
15 process. (See AR 39:06331; 39:06335; 39:06352); cf. Wild Sheep,  
16 681 F.2d at 1182. The record establishes not merely "the  
17 existence of opposition" to the ITP, but a "substantial dispute ..  
18 . . as to the size, nature or effect of the major Federal  
19 action." Wild Sheep, 681 F.2d at 1182. Two other factors  
20 enumerated in the regulation also suggest the appropriateness of  
21 an EIS in this case. First, the precedential value of the Permit  
22 is significant, both in terms of the HCP's "reduction of a  
23 population deemed [by the Service] 'essential' for the recovery  
24 of a listed species," (see AR 14:02384), and its regional  
25 approach and effects. See 40 C.F.R. § 1508.27(6). Second, the  
26 "degree to which the [HCP] may affect an endangered or threatened

1 species," here the GGS and Swainson's hawk, counsels in favor of  
2 preparing an EIS. See 40 C.F.R. § 1508.27(9).

3 Although the Service properly considered the Plan's  
4 mitigation measures in determining whether to prepare an EIS, see  
5 Friends of Endangered Species v. Jantzen, 760 F.2d 976, 987 (9<sup>th</sup>  
6 Cir. 1985) ("So long as significant measures are undertaken to  
7 mitigate the project's effects, they need not completely  
8 compensate for adverse environmental impacts"), the uncertainty  
9 regarding the likely success of those mitigation measures  
10 suggests the need for an EIS. In Jantzen, there was no  
11 contention that the plan's impacts were uncertain. In fact, the  
12 court found that "the mitigation measures at the heart of the  
13 plan seem to . . . completely compensate for any possible adverse  
14 environmental impacts."<sup>32</sup> Id. Here, in contrast, the record  
15 discloses substantial controversy as to the efficacy of the  
16 mitigation measures contemplated by the HCP. While the uncertain  
17 success of the Plan's mitigation measures does not, as discussed  
18 above, render the Service's findings under the ESA arbitrary,  
19 NEPA's approach to such uncertainty is to require an EIS. See  
20 Wild Sheep, 681 F.2d at 1181 (Where "substantial questions  
21 [regarding the efficacy of mitigation measures] are raised, an  
22 EIS must be prepared."). The record discloses, "substantial  
23 questions . . . regarding whether the proposed action may have a  
24

25 <sup>32</sup> The Jantzen court noted that complete compensation was  
26 not essential to support a FONSI, but did not suggest that a  
FONSI is appropriate even in the face of substantial uncertainty  
as to plan effects. See id. at 987.

1 significant effect upon the human environment," see Save the Yaak  
2 Committee v. Block, 840 F.2d 715, 717 (9th Cir. 1988). In these  
3 circumstances, involving a complex 50-year plan for a large  
4 region of important habitat and development lands extending  
5 beyond the jurisdiction of any one local government unit, the  
6 court concludes that the Service's determination that no EIS is  
7 required is arbitrary and capricious.

8  
9 VI. Conclusion

10 The record does not support the Service's finding under 16  
11 U.S.C. § 1539(a)(2)(B)(ii), and it does not support the Service's  
12 findings under 16 U.S.C. §§ 1536(a)(2), and 1539(a)(2)(B)(iii)  
13 and (iv), as applied to the City's Permit. Plaintiffs' motion  
14 for summary judgment on their second, third, fourth, fifth, and  
15 ninth causes of action is GRANTED. Defendants' motion for  
16 summary judgment on those causes of action is DENIED.  
17 Defendants' motion for summary judgment is GRANTED as to  
18 Plaintiffs' first cause of action, and DENIED, without prejudice,  
19 as to plaintiffs' seventh and eighth causes of action.  
20 Defendants' motion to dismiss the sixth cause of action as unripe  
21 is GRANTED.

22 IT IS SO ORDERED.

23 Dated: August 15, 2000.

24 David F. Levi  
25 DAVID F. LEVI  
26 United States District Judge