

Protect Anadromous Salmonids in the Mainstem Corridor

Monitoring and Evaluation

Annual Report
2000 - 2001



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Protect Anadromous Salmonids In The Mainstem Corridor

**Annual M&E Report for the FY2000 Performance Period –
May 15, 2000 to May 14, 2001**

Contract Number: 000000112-00001

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SECTION 1. Significant Results or Activities

In this annual Monitoring & Evaluation (M&E) report to the Bonneville Power Administration (BPA), we summarize significant activities and performance measures resultant from enhanced protection by Columbia River Inter-Tribal Fisheries Enforcement (CRITFE) in the mainstem corridor (BPA Project 2000-056). This report covers the Fiscal Year (FY) 2000 performance period -- May 15, 2000 to May 14, 2001. Quarterly progress reports have previously been submitted to BPA and are posted on the M&E Web site (www.Eco-Law.net) -- for the time period April-December 2000 (Vigg 2000b,c,d) and for the period January-June 2001 (Vigg 2001a,b).

We also present comprehensive data representing the first quarter of year 2000 in this report for a pre-project comparison. In addition, we have analyzed specific annual enforcement statistics to evaluate trends during the baseline period 1996-2000. Additional statistics and more years of comprehensive baseline data are now being summarized, and will be presented in future M&E annual reports – to provide a longer time series for evaluation of trends in input, output and outcome performance standards.

Administration

In May 2000, when FY 2000 funds were authorized by BPA for enhanced mainstem enforcement, three new enforcement positions – two officers and one dispatcher -- were developed and advertised. These new positions were interviewed and filled during July-September. The two new patrol officers attended Police Academy during October 2 to December 15, 2000. In addition, an experienced CRITFE officer, Mitch Hicks, was assigned as Sergeant to supervise BPA-funded activities. This field supervisor position is responsible for implementing BPA objectives and field action plans.

The CRITFE personnel roster, as of March 2001, is presented in Appendix 1. This enhanced level of fishery protection would not have been in place during the increased salmon runs of 2000-2001 were it not for a recommendation by the Columbia Basin Fish & Wildlife Authority and the Northwest Power Planning Council – followed by a commitment by BPA to provide FY2000 funding.

CRITFE procured, installed and tested a Ratheon Nightsight during October 2000 – to enhance boat patrols by providing improved visibility during periods of darkness. This device has proven to increase boat patrol effectiveness during darkness and to contribute to more safe working conditions for CRITFE officers.

Coordination continued with the CRITFE Fisheries Department and the Monitoring & Evaluation (M&E) subcontractor, Steven Vigg & Company. The CRITFE administrative and supervisory staff is developing methods and protocols to facilitate timely compilation of daily officer time logs, and subsequent transfer of this information to summary data tables needed for

M&E. A revised form for collection of enforcement field data by individual officers was developed by Captain Ekker during Quarter 4, 2000. The daily activity log was revised to comply with the format recommended by NPPC; it was implemented beginning in January 2001.

The total number of personnel (Full Time Equivalents) on the CRITFE roster for fiscal years (FY) 1992 through 2001, with the projected value for FY 2002, is summarized in Table 1. In FY 1999 the total number of baseline CRITFE personnel was 15.5 FTE. In FY 2000, the total number of baseline CRITFE personnel (derived from BIA and other federal sources) was 15.3 FTE; and the BPA Project 2000-056-00 enhanced funding resulted in an additional 4.0 FTE. The FY2000 CRITFE personnel roster specifies each position, name and funding source (Appendix 1).

Table 1. The number of CRITFE enforcement personnel (Full Time Equivalents) supported by various funding sources; and the BPA enhancement budget for the fiscal years 1992 through 2002.

Fiscal Year	CRITFE Full Time Equivalents (FTEs) by Funding Source			BPA Budget
	Total FTEs	BIA	Other ¹	
1992	18.0	13.0	0.0	\$1,210,195
1993	20.5	12.0	0.0	\$1,220,466
1994	20.5	12.0	0.0	\$909,422
1995	20.4	11.4	0.0	\$1,093,492
1996	20.0	11.0	0.0	\$904,000
1997	20.3	11.0	0.0	\$883,560
1998	15.0	13.0	2.0	\$0
1999	15.5	13.0	2.5	\$0
2000	19.3	13.0	2.3	\$388,427
2001	19.0	14.0	1.0	\$419,808
2002 (estimate)	20.3	15.0	1.3	\$434,082

Resource Protection

The enhanced fish, wildlife and habitat law enforcement provided by this project serves to protect and enhance all targeted salmonid stocks, resident fish stocks, wildlife species, essential habitats, and other commercially, ecologically and culturally important natural resources within the project area. The primary area of focused CRITFE effort is Zone 6 of the mainstem Columbia River – which encompasses about 152 linear miles of river between Bonneville and McNary Dams. The mainstem dams, reservoir pools, and natural resources targeted for protection within the Treaty fishery area (Zone 6) is summarized in Table 2. CRITFE

¹ Includes USACE, NMFS COPS and cultural resources funding.

coordinates and shares available resources² with the Nez Perce Tribe's conservation enforcement project with primary jurisdiction in the mainstem Snake River and its tributary river systems.

Table 2. Gross characterization of mainstem Zone 6 area and targeted natural resources.

<i>Pool</i>	<i>Lower Dam</i>	<i>Upper Dam</i>	<i>River Miles</i>	<i>Target Resources</i>
<i>Bonneville</i>	Bonneville	The Dalles	45	All anadromous salmonid species/stocks; sturgeon; lamprey; walleye; northern pikeminnow; shad; other depleted or protected resident fish; wildlife species utilized for hunting; ecologically, culturally & commercially important plant species; and, cultural resources.
<i>The Dalles</i>	The Dalles	John Day	31	
<i>John Day</i>	John Day	McNary	76	

The vast watersheds that are tributary to the mainstem Columbia River and are under the co-management jurisdiction of the CRITFC member tribes can be subdivided into geographic regions defined by Northwest Power Planning Council as "Ecological Provinces". The following Provinces include subbasins under the co-management or law enforcement jurisdiction of the CRITFC member Tribes in the mainstem Columbia River:

- Columbia Gorge Province;
- Columbia Plateau Ecological Province – north; and
- Columbia Plateau Ecological Province – south.

The Columbia Gorge Province includes the mainstem Columbia River between Bonneville and The Dalles Dams, and subbasins that are tributary to the mainstem. Subbasins within the Columbia Gorge Province are:

- Bonneville Reservoir;
- Fifteenmile;
- Hood;
- Klickitat
- Little White Salmon;
- White Salmon; and
- Wind.

The Columbia Plateau Ecological Provinces include the region from The Dalles Dam to, up the Mid-Columbia River, to Wanapum Dam on the North; and from The Dalles Dam, up the Snake River, to Lewiston on the South. The Columbia Plateau North includes the Columbia River and

² Inter-agency operations and resource sharing has been restricted during FY2000-2001 due to limited budgets.

all tributaries upstream of The Dalles Dam up to and including Wanapum Dam. Subbasins within the Columbia Plateau – North are:

- Crab;
- Mainstem Columbia;
- Rock Creek; and
- Yakima.

The Columbia Plateau South includes the Columbia River and all tributaries on the south bank upstream of The Dalles Dam up to the confluence with the Snake River; and the Snake River and all tributaries from Lewiston, Idaho to the confluence with the Columbia River. Subbasins within the Columbia Plateau – South are:

- **Deschutes**
- **John Day**
- **Mainstem Snake**
- **Palouse**
- **Tucannon**
- **Umatilla**
- **Walla Walla**

Priority fish species and harvest seasons are summarized in Table 3.

Table 3. Priority fish species and treaty seasons for CRITFE Conservation Enforcement patrols, FY 2000.

Fish Species	Season	Zone 6 Fishery
Steelhead	Spring: Summer: Fall:	C&S + commercial gill net C&S C&S + commercial gillnet
Chinook salmon	Winter: Spring: Fall:	Gillnet commercial C&S + platform + commercial gillnet C&S + commercial gillnet
Coho salmon	Fall:	Gillnet commercial
Sockeye Salmon	Summer:	C&S + commercial gillnet
Sturgeon	Winter: Spring: Summer:	Setline + gillnet Setline + gillnet Setline + gillnet
Walleye	Winter: Spring: Fall:	Commercial gillnet Commercial gillnet C&S + commercial gillnet
American Shad	Open	Spring-Summer commercial
Northern pikeminnow	Open	BPA bounty fishery: April-September

Annual Trends – Pre-Project Baseline Period (before May 2000)

From 1992 through 1997, CRITFC Conservation Enforcement was part of a system-wide BPA project (#92-024) that greatly increased fish, wildlife and habitat enforcement throughout the Columbia Basin. The performance of the system-wide enforcement project during the 1992-94 demonstration period was documented by Vigg (1995). Performance of the CRITFE project for the five-year period 1992-1996 was evaluated by Vigg (1997). Funding for enhanced law enforcement provided to eight fish & wildlife agencies and tribes, including CRITFC, was eliminated in FY 1998 when BPA Project 92-024 was terminated. As a direct result of elimination of BPA funding, several CRITFE enforcement positions were cut in 1998. From January 1998 to May 2000, the ability of CRITFE to respond to fish, wildlife and habitat violations was diminished due to fewer officers in the field, fewer dispatchers, and reduction of the temporal enforcement coverage in Zone 6 (previously 24-7-365). Trends in BPA funding of CRITFE and the number of resulting additional fisheries enforcement officers and dispatchers (full time equivalents, FTE's) -- for fiscal years (FY) 1992 to 2002 -- is presented in Figure 1.

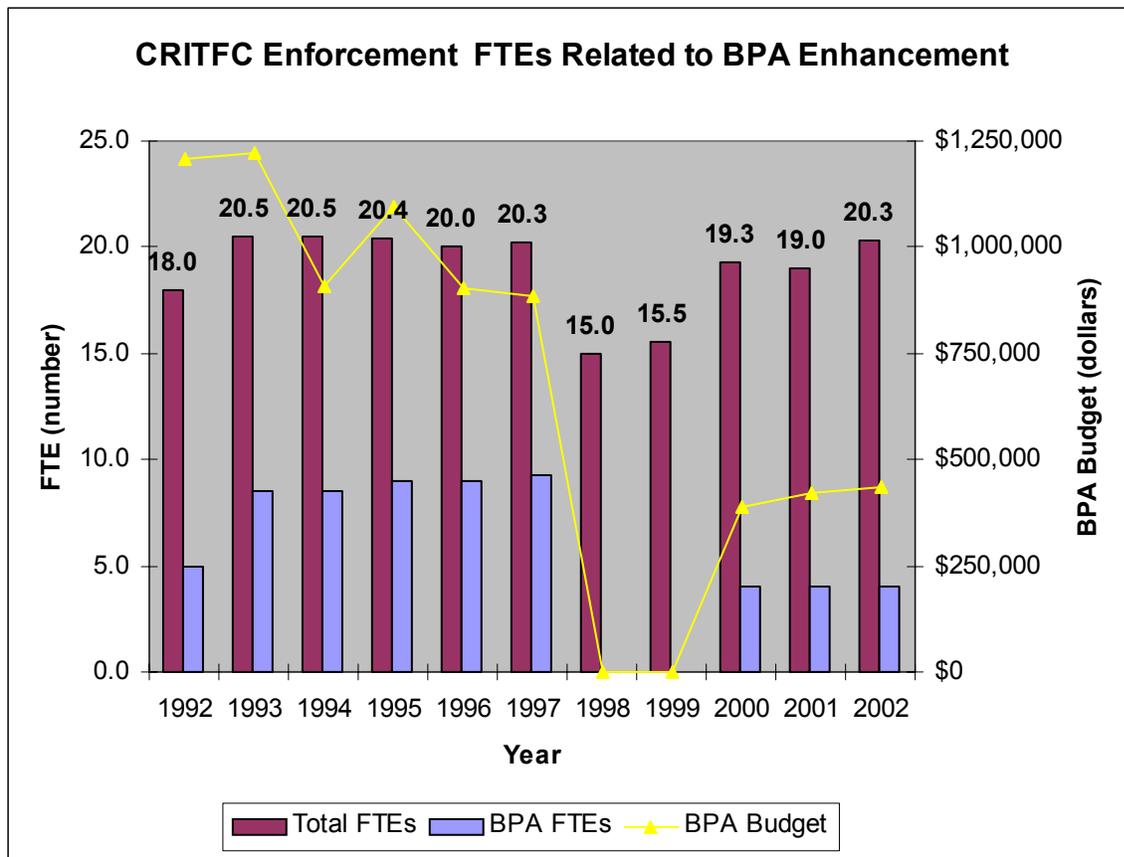


Figure 1. BPA funding for CRITFE for fisheries enforcement and the number of resulting additional enforcement positions -- for fiscal years 1992 to 2000.

Reductions in all CRITFE output statistics occurred during calendar years 1998-2000 relative to the enhanced 1992-1997 period. Temporal trends in three of the primary enforcement outputs – officer patrol effort, contacts with resource users, and total arrests for fishery violations – show decreases in CRITFE performance during 1998-2000 compared to 1997 (Figure 2).

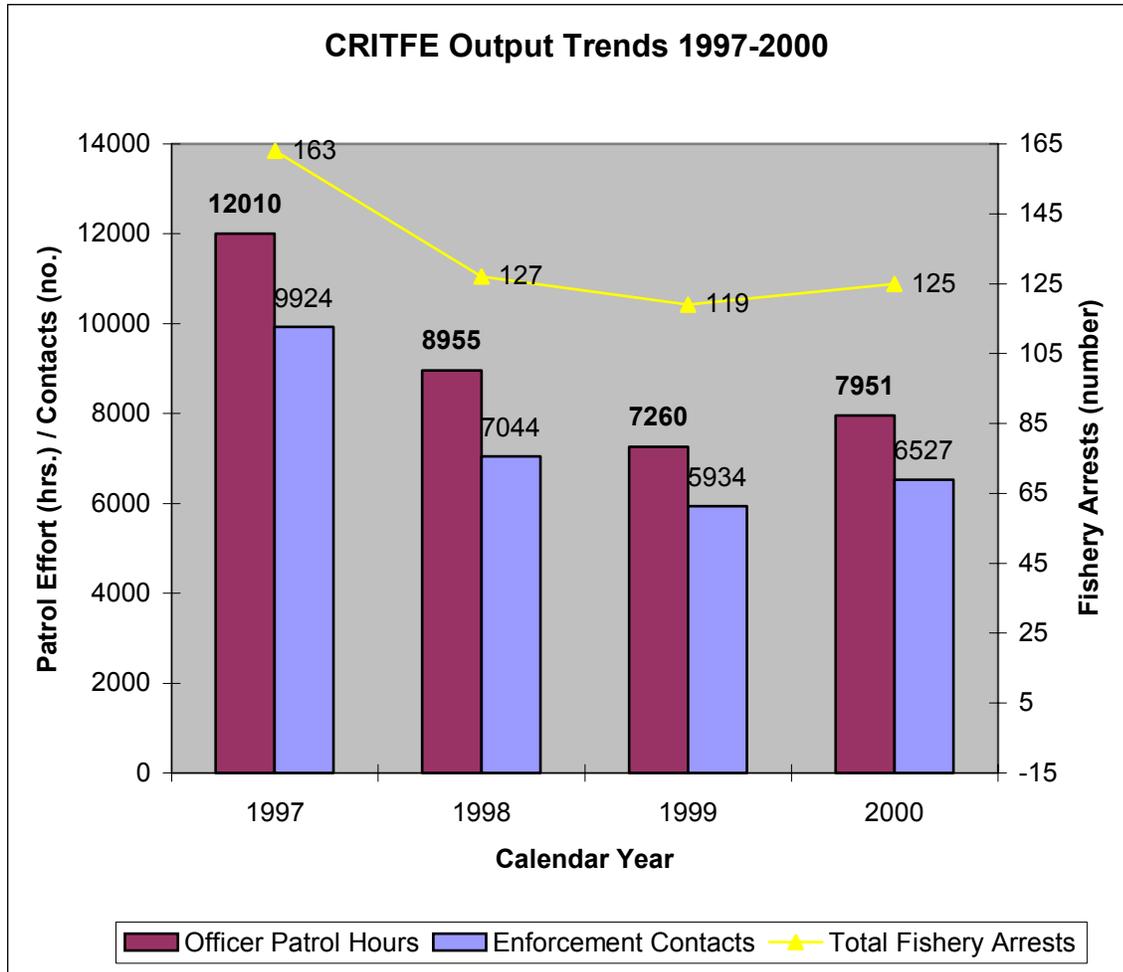


Figure 2. Trends in enforcement output statistics (patrol effort, contacts and arrests) by CRITFE Conservation Officers in Zone 6, CY 1997 to 2000.

CRITFE patrol effort declined from a high of 12,010 officer hours in 1997 to a low of 7,260 in 1999. Likewise, enforcement contacts decreased from 9,924 in 1997 to 5,934 in 1999. CRITFE officers arrested 163 violators in 1997, but only 119 in 1999. Thus, the primary output measures – patrol effort, contacts, and arrests – showed declines of 39.6, 40.2, and 27.0 percent, respectively from 1997 to 1999 (Table 4). Conversely, renewed BPA funding during the second half of CY2000 has resulted in reversal of the downward trends and 5-10 percent increases in these same output statistics.

Table 4. Changes in three primary enforcement output statistics during calendar years (CY) 1997 to 2000.

<i>Enforcement Statistic</i>	<i>Percent Decrease From CY 1997 to 1999</i>	<i>Percent Increase From CY 1999 to 2000</i>
<i>Officer Patrol Hours</i>	39.6%	9.5%
<i>Enforcement Contacts</i>	40.2%	10.0%
<i>Total Fishery Arrests</i>	27.0%	5.0%

Since resumption of BPA funding to the new Conservation Enforcement Project 2000-056-00 in May 2000, CRITFE resource enforcement effort has been significantly enhanced. Three additional enforcement positions were hired in August and received academy and field training during the remainder of CY 2000. In addition an experienced officer was promoted to supervise BPA-funded field activities. Thus, although BPA funding in May immediately provided focus on Conservation Enforcement objectives and invigoration of the command structure, the achievement of additional fully functional and commissioned officers in the field was not fully realized until January 2001. Thus, much of the enhancement in CRITFE field effort from FY2000 funding occurred during the latter segment of the performance period – specifically, January –May 2001.

FY2000 Performance Period – May 15, 2000 through May 14, 2001

Specific enforcement statistics for the FY 2000 performance period are summarized by quarter in Tables 3-8, and the complete array of law enforcement statistics are listed by month, January 2000 to May 2001, in Appendix 2.

Diverse and complex fisheries occur within the Zone 6 of the mainstem Columbia River. Fishing seasons and closures covered by CRITFC Conservation Enforcement for the FY2000 performance period (May 15, 2000 through May 2001) are tabulated in Appendix 3. Fishing seasons and closures covered by CRITFE Conservation Enforcement for year 2000 are summarized in Appendix 3.1. Regulations and fisheries proposed for 2001 are summarized in Appendix 3.2.

Patrol Effort Statistics

CRITFE officers spent a total of 9,899 hours conducting field patrols during the 12-month period of June 2000 through May 2001, i.e., an average of about 825 hours per month. Monthly distribution of effort is variable during the year with extra hours spent during spring, summer and fall fishing seasons. The temporal distribution of CRITFE officer time spent on patrol illustrates that effort declines in October and is at minimum levels during November and December -- due

to absence of fishing seasons and annual leave taken for holidays (Figure 3). This monthly pattern generally holds true for most years and actually increases enforcement effectiveness by accruing overtime and compensation hours during the times when resource protection is needed the most and taking leave during the winter off-season.

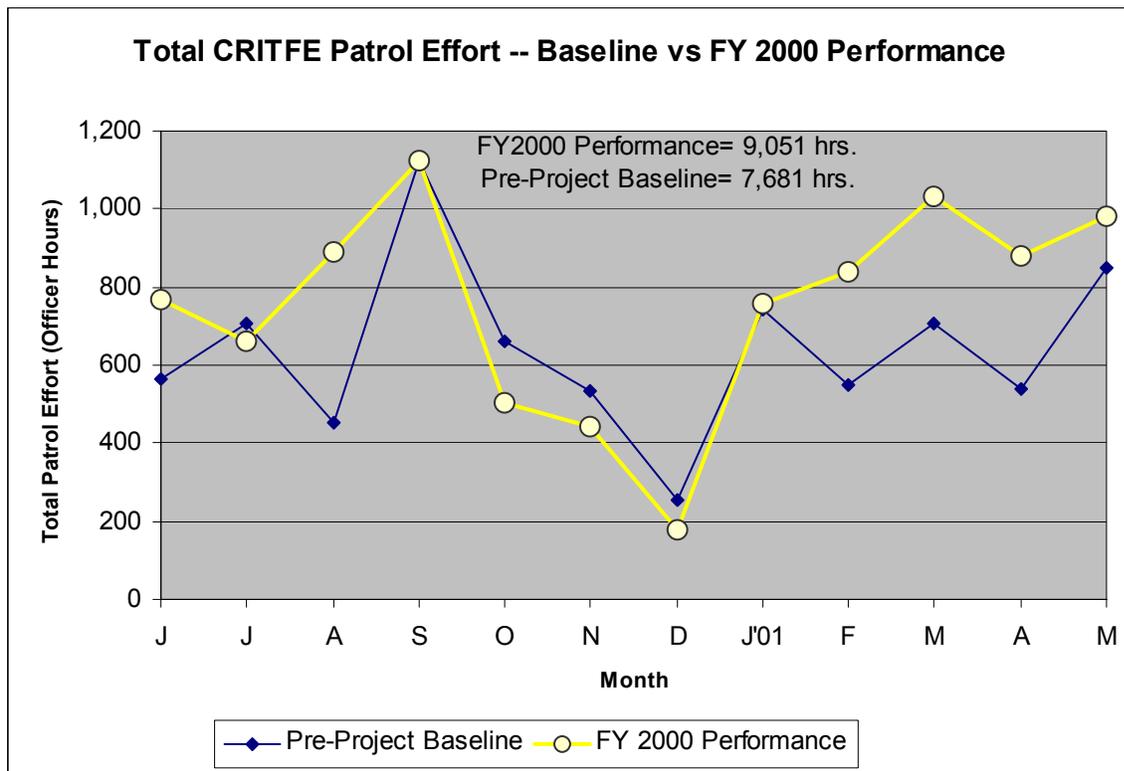


Figure 3. Total CRITFE monthly enforcement patrol effort (all categories) for the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

The quarterly statistics show substantially increased levels of patrol effort starting in Quarter 3 of 2000, i.e., after the enhanced BPA-funded effort was initiated (Table 5). For example, patrol effort during Quarter 1 of 2001 (2,627 hrs.) was 31% higher than the effort for the same period of year 2000 (2,003 hrs.) -- prior to BPA funding. More comprehensive comparisons will be presented in future performance reports, e.g., the longer project period will be evaluated in comparison to an extended baseline time series.

Table 5. Total CRITFE officer patrol effort, by quarter, January 2000 through June 2001.

Patrol Effort Category (Hours)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Patrolled Commercial	1,823	1,902	2,541	1,089	2,378	2,299
Patrolled Ceremonial	28	97	5	0	10	88
Patrolled Sport	118	83	53	10	162	82
Patrolled Aircraft	0	0	3	0	0	0
Worked Inter-Agency	5	26	28	9	13	67
Worked Investigation	29	43	47	12	64	74
Total Patrol Effort	2,003	2,151	2,677	1,120	2,627	2,610

In general, over ten times more patrol effort is allocated to commercial fishing seasons and closures compared to other fisheries such as ceremonial, subsistence or sport (Figure 4).

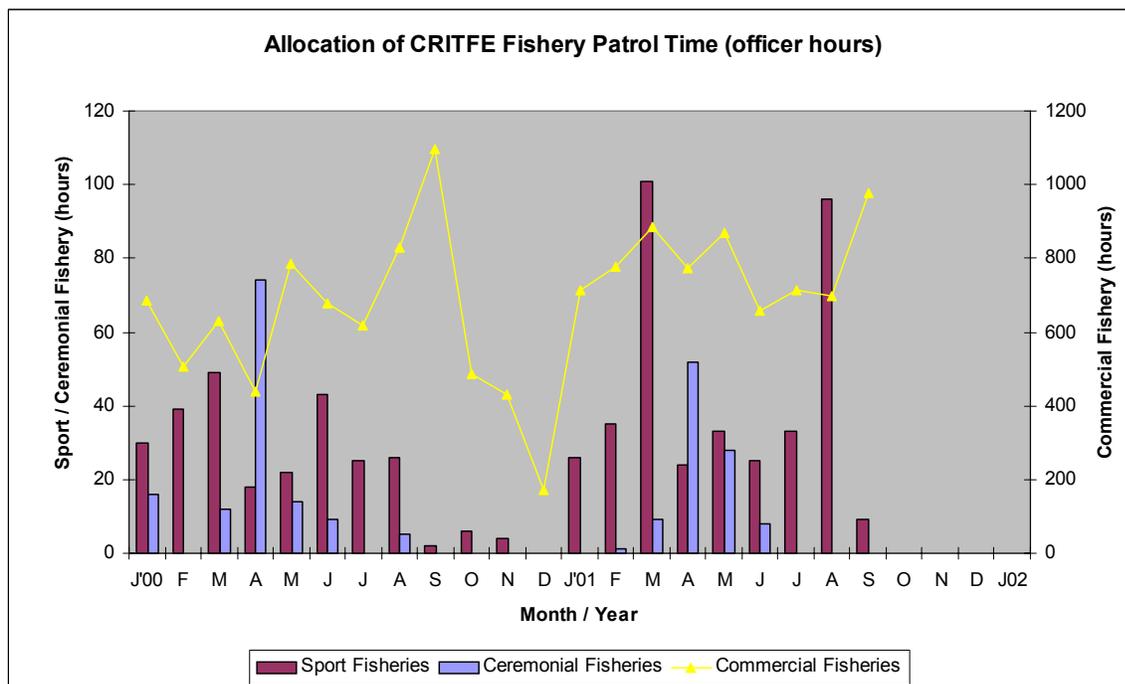


Figure 4. Time series of CRITFE fishery patrol effort (commercial, ceremonial and sport) from January 2000 to June 2001.

Due to restricted budgets from 1998 to the first quarter of 2000, cooperative enforcement actions with other entities – Inter-agency assists, Inter-Tribal assists, and public assists – were negligible.

Starting in April 2000, an effort re-initiated to enhance inter-agency cooperation and assistance. During the FY 2000 performance period about 117 hours of CRITFE conservation officer time was allocated to cooperative enforcement with other entities and the public (Table 5).

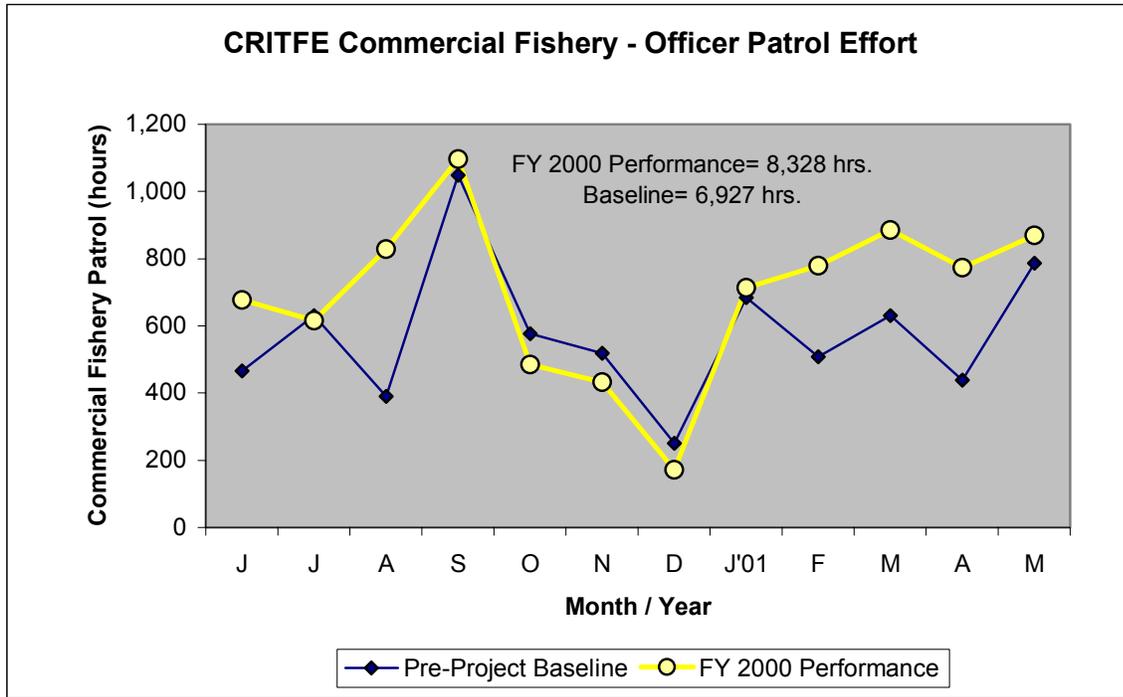


Figure 5. Total CRITFE commercial fishery patrol effort for the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

Shore (vehicle) and Boat Patrols

Vehicle patrol mileage is generally correlated with CRITFE officer patrol hours in Zone 6 (Figure 6); this relationship, along with supporting data, indicates that a consistently large proportion of the officers’ field time is spent patrolling shore areas from vehicles. About 150 river miles extend between Bonneville and McNary Dams; therefore the reservoir shore line under the jurisdiction is roughly twice that – i.e., more than 300 miles.

Monthly vehicle patrol mileage was relatively stable from January to April 2000 (under 15,000 miles per month), but increased substantially to average of 17,850 miles during May-September. Fall fisheries were closed in October, and as a result patrol mileage subsequently declined to an average of about 7,550 during the November-December off-season (Figure 6). The patrol mileage for 2001 started out at higher levels than the previous year, averaging over 17,000 miles per month during January-April 2001.

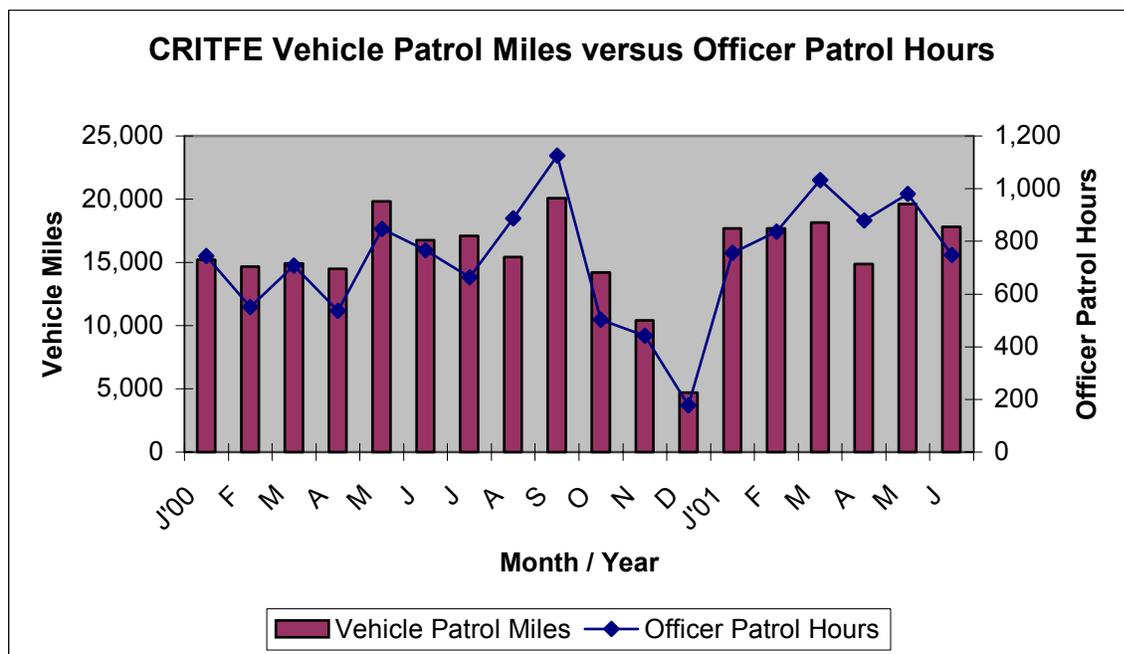


Figure 6. Time series of CRITFE vehicle patrol mileage compared to total officer patrol time (hours) from January 2000 to June 2001.

Monthly officer patrol time averaged 635 hours from January to April 2000, then increased substantially to average of about 760 during May-July, and averaged over 1,000 during August-September. Fall fisheries were closed in October, and as a result patrol time subsequently declined to an average of about 310 hours per month during the November-December off-season (Figure 6). The monthly officer patrol effort for 2001 started out at consistently higher levels than the previous year -- averaging over 873 hours per month during January-June 2001, with a peak of over 1,000 hours in March.

During the period June 2000 through May 2001 officers spent 9,899 hours on shore patrol driving 206,599 miles; i.e., an average of about 21 miles driven per hour of officer patrol time. On a quarterly basis, Patrol miles per officer hour was highest during October-December (Q4, 26.1 mi/hr); but the ratio was relatively consistent for the other quarters, ranging from about 20 to 24 miles per patrol hour (Table 6).

Table 6. Total CRITFE vehicle patrol mileage versus officer patrol effort, by quarter, January 2000 through June 2001.

Patrol Effort Category (Miles / Hours)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Vehicle Patrol Effort (mi.)	44,775	51,113	52,624	29,280	53,562	52,304
Officer Patrol Effort (hrs.)	2,003	2,151	2,677	1,120	2,627	2,610
Patrol miles per hour	22.4	23.8	19.7	26.1	20.4	20.0

During the June 2000 – May 2001 performance period, total vehicle (shore) patrol effort (8,596 hrs.) comprised about 87% of the 9,899 total officer hours (all patrol categories). Other patrols and duties excluded, the proportion of vehicle (versus boat) patrol effort was greatest on a quarterly basis during October-December 2000 (Q4= 89%) and January-March 2001 (Q1= 85%), but was lower and relatively constant during the remaining four quarters, i.e., 78% to 83% (Table 7).

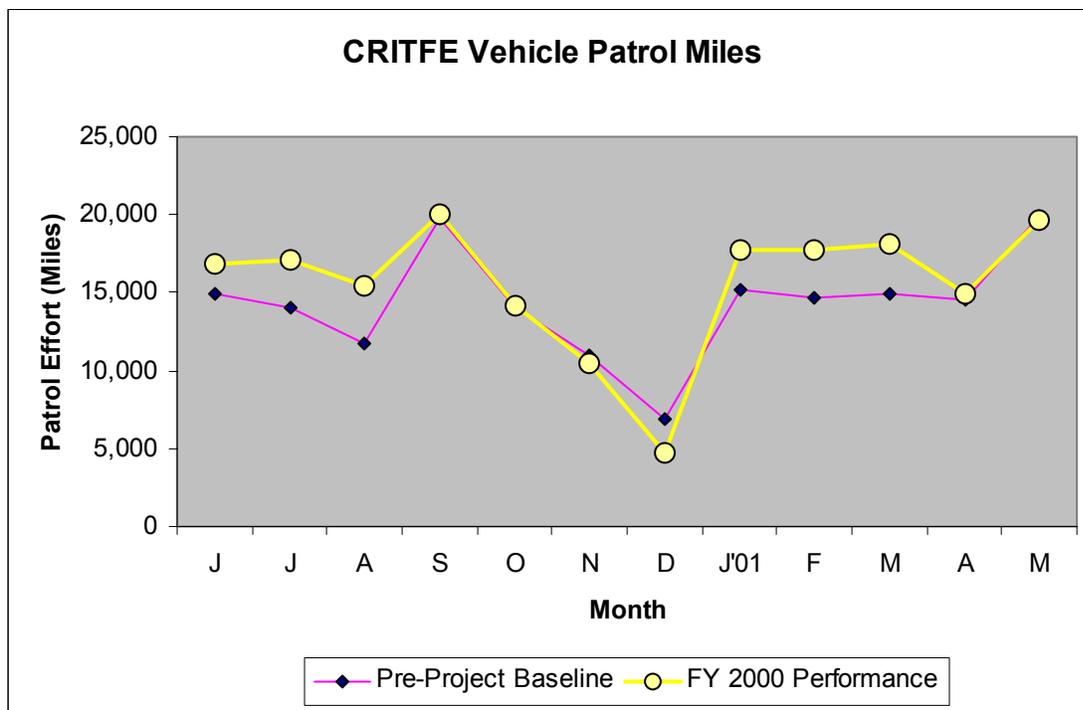


Figure 7. Total vehicle patrol mileage by CRITFE officers during the FY2000 performance period -- June 2000 through May 2001 -- compared to the previous 12-month baseline.

Table 7. Total CRITFE boat and shore patrol effort (officer hours) – day versus night – by quarter, January 2000 through June 2001.

Patrol Effort Category (Hours)	Year 2000				Year 2001	
	Q1 (Ja)	Q (Apr-Jun)	(Jul-Sep)	Q4 (Oct-Dec)	Q (Ja)	Q2 (Apr-Jun)
Day Boat Patrol*		287	347	106	255	300
Night Boat Patrol*	24	94	259	25	189	206
Percent Night	5.	24.	42	19.	42	40
Day Shore Patrol*	1	1,258	1,382	706	1,840	1,378
Night Shore Patrol*	358	621	771	325	684	773
Percent Night	20	33	35	31	27	35
Total Boat Patrol	4	3	606	1	4	5
Total Shore Patrol	1,746	1,879	2,153	1,031	2,524	2,151
	18.8%	16.9%	22.0%	11.3%	15.0%	19.0%

During the June 2000 – May 2001 performance period, about 1,893 hours were spent in boat patrols and 8,596 hours in vehicle patrols (Figure 8). About 67% of the total vehicle patrol effort during June 2000 – May 2001 was conducted during daytime; i.e., about 5,735 hours were spent in day patrols versus 2,861 hours in night patrols.

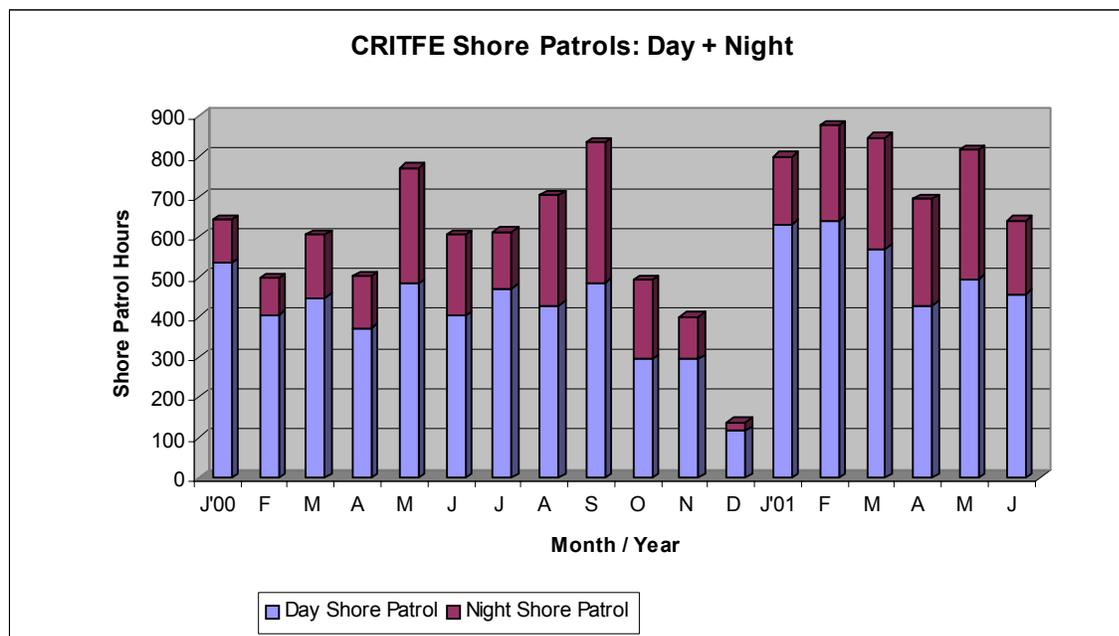


Figure 8. Time series of CRITFE shore patrol effort (day versus night) from January 2000 to June 2001.

About 61% of the total boat patrol effort during June 2000 – May 2001 was conducted during daytime. During this period, about 1,157 hours were spent in day patrols versus 736 hours in night boat patrols. Over the period of record, it is apparent that the proportion of day-night patrols varies substantially on a monthly basis (Figure 9). It seems that night patrols are less frequent during winter, and are proportionately greater during salmon fishing seasons; however, analysis of a longer time series will be needed for a better understanding of these interactions.

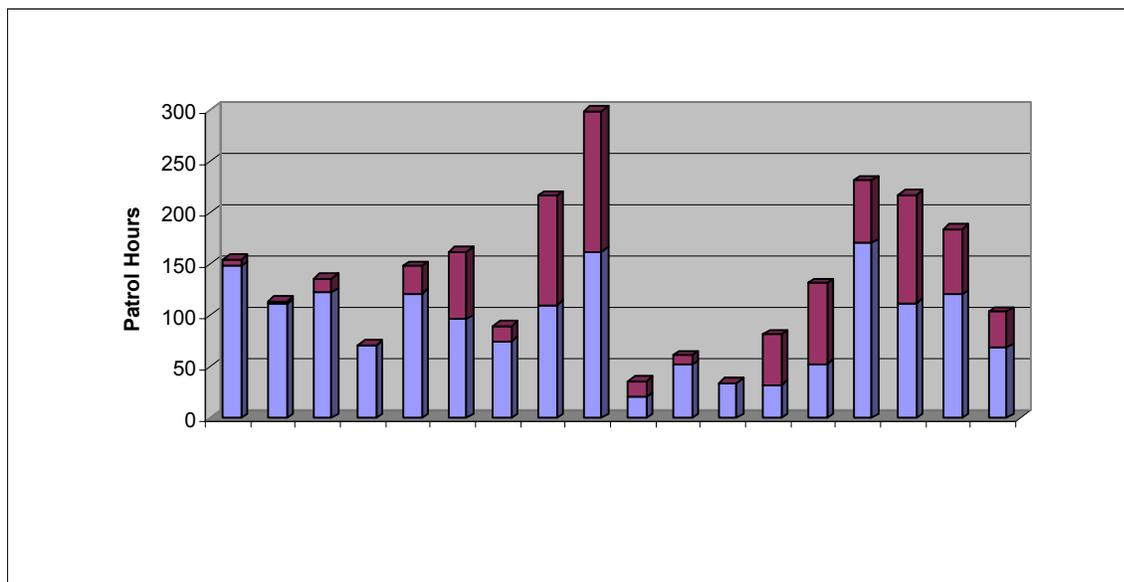


Figure 9. Time series of CRITFE boat patrol effort (day versus night) from January 2000 to June 2001.

During Quarter 3, 2000 one patrol flight and three officer hours were logged (Table 8). This was the only aircraft patrol during the performance period.

Table 8. Total CRITFE aircraft patrol effort, by quarter, January 2000 through June 2001.

Aircraft Patrol Effort (Hours / Number)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Officer Effort (hrs.)	0	0	3	0	0	0
Patrol Flights (no.)	0	0	1	0	0	0

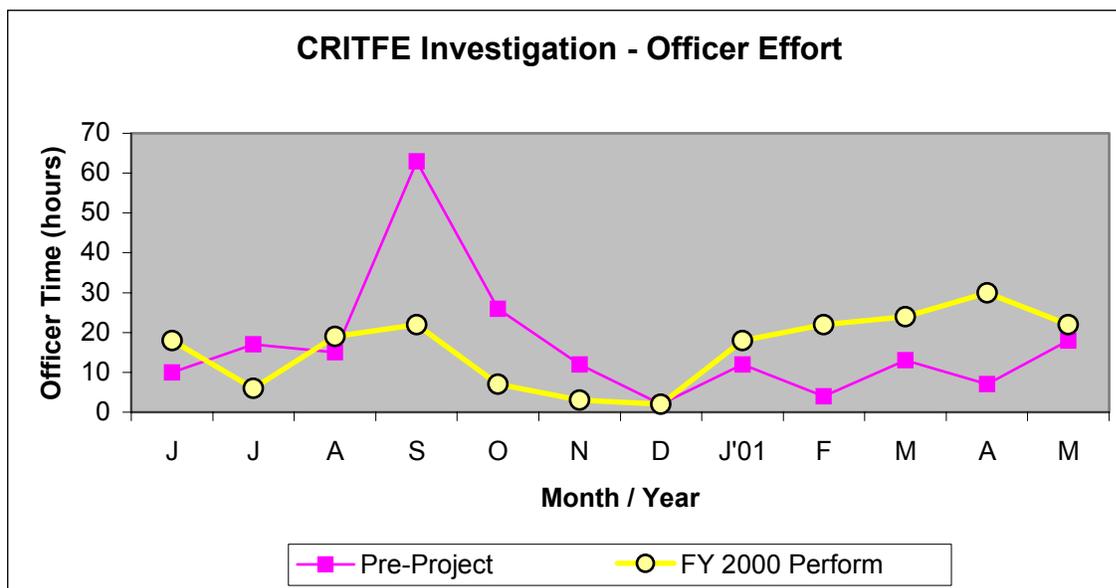


Figure 10. CRITFE investigation effort for the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

Contacts with Resource Users

From June 2000 to May 2001, CRITFE officers made a total of 8,258 contacts with resource users; concurrently, 365 outside agency assists and 221 public assists occurred. The two time periods of maximum conservation enforcement contacts during the FY 2000 performance period was March-June and September – corresponding to major spring/summer and fall salmon fishing seasons in Zone 6.

In general, the number of total CRITFE officer contacts with resource users is temporally correlated with enforcement assists from other agencies and the public. The time series comparison of CRITFE contacts and outside assists (agency and public) during the FY2000 performance period is presented in Figure 11.

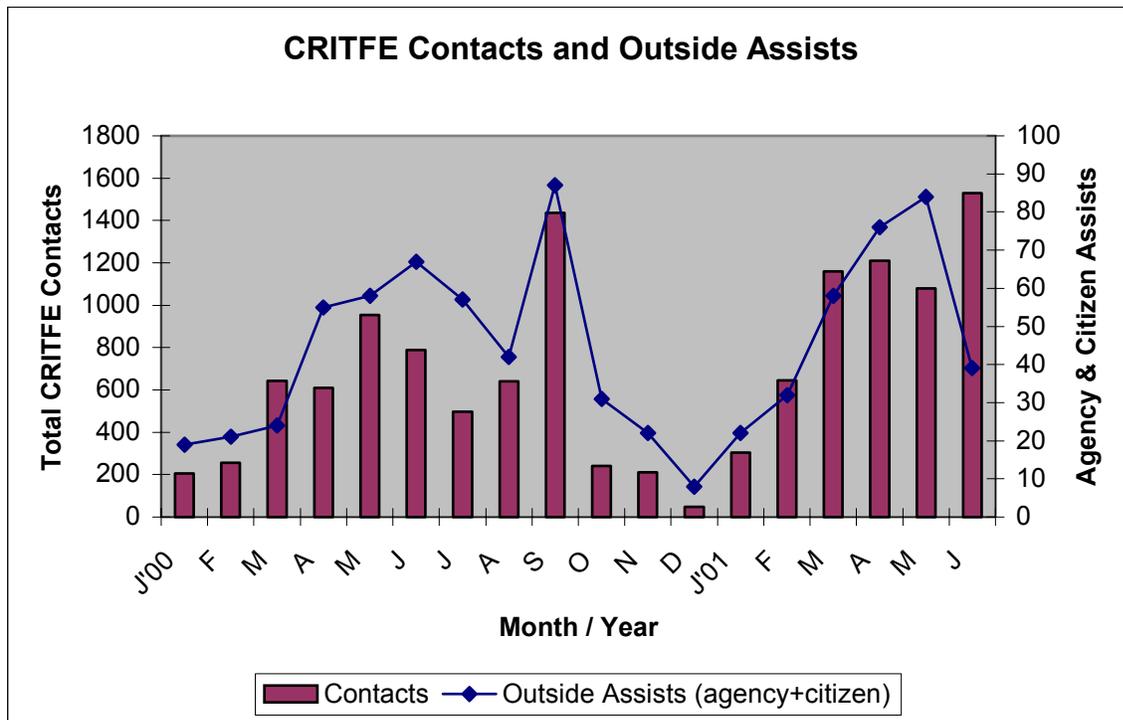


Figure 11. Total CRITFE contacts between enforcement officers and resource users and outside assists -- January 2000 - March 2001.

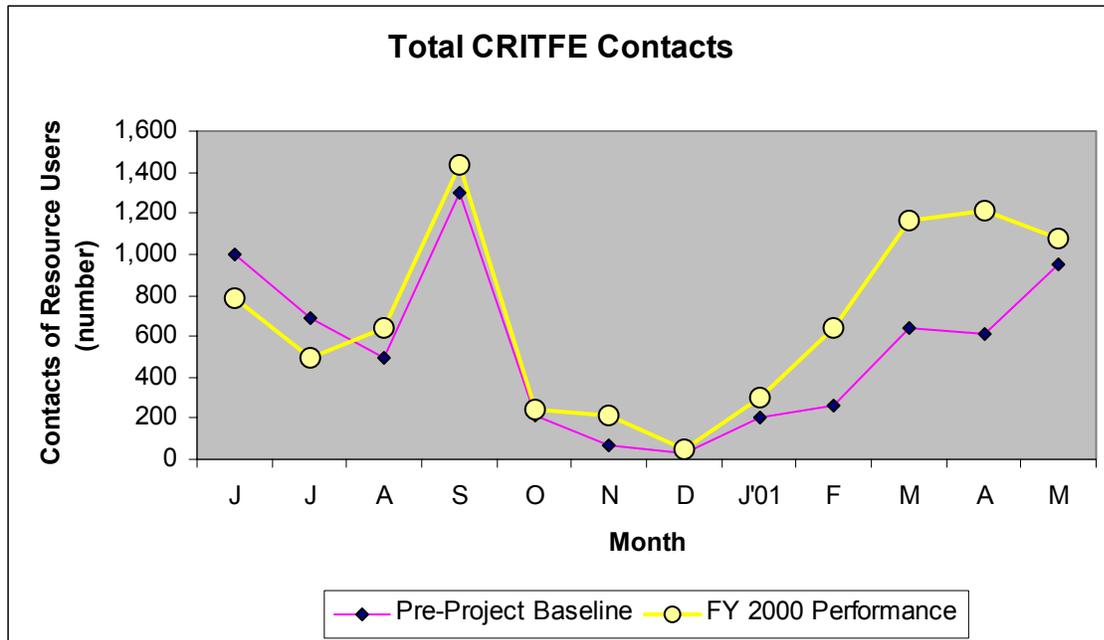


Figure 12. Total contacts with resource users by CRITFE officers during the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

Table 9. Total CRITFE enforcement contacts, calls for service (demand), violations reported, -- by quarter, January 2000 through June 2001.

Enforcement Contacts and Compliance Rates (Number / Percent)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Total Contacts	1,106	2,351	2,573	497	2,110	3,817
Total Calls For Service	107	323	327	82	180	370
Violations Reported & Investigated	23	109	102	19	73	172

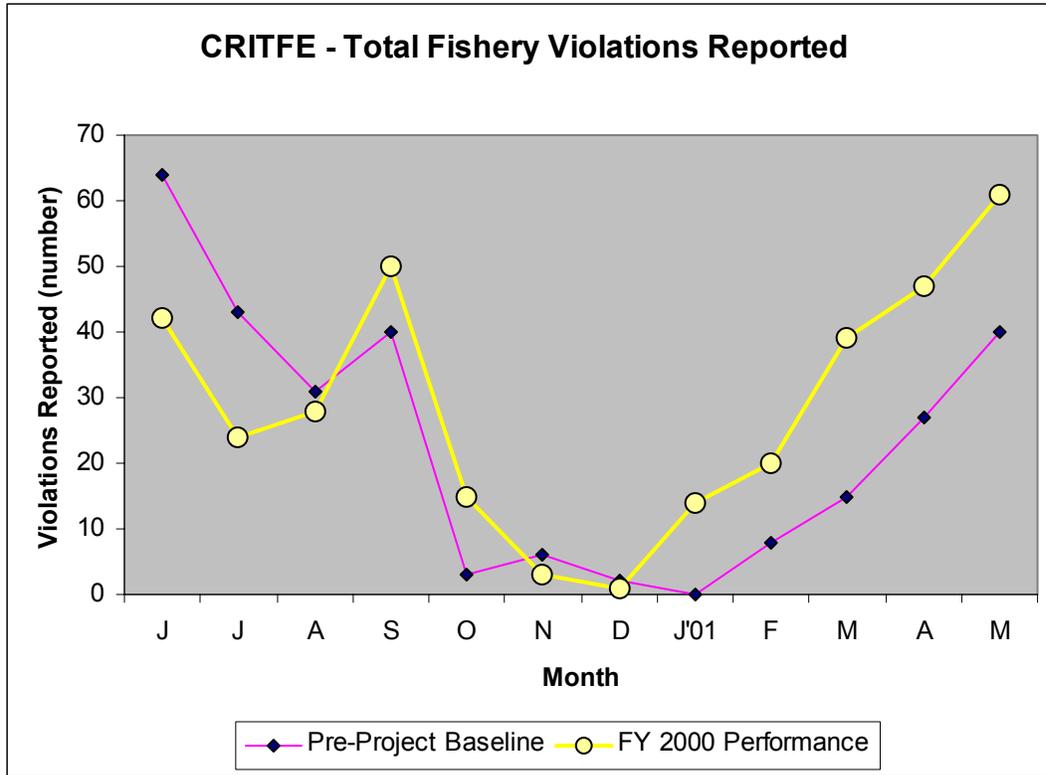


Figure 13. Total violations reported to CRITFE dispatchers and officers during the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

Fishing Gear and Target Fish Seized

The number of salmon hoop nets and gill nets seized for illegal fishing activities in Zone 6 increased from a monthly average of about 1.8 during January-April 2000 to about 9.5 per month during May and June (Figure 14). Five illegal sturgeon set lines were confiscated in January 2000, with none for the remainder of the time period.

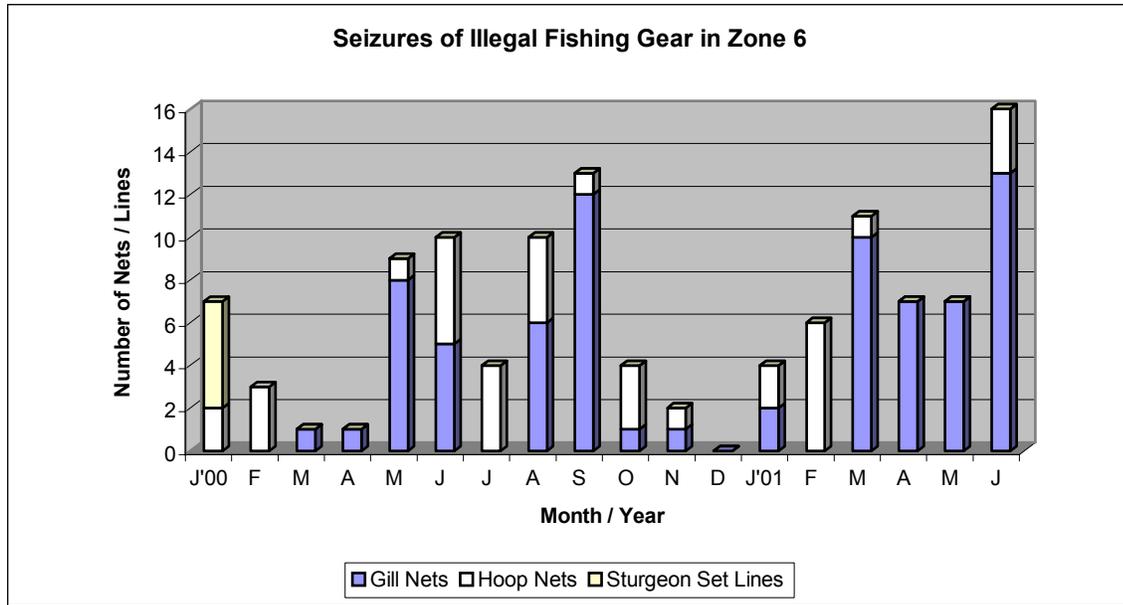


Figure 14. Time series of Zone 6 fishing gear confiscated (hoop nets, gill nets and set-lines) from January 2000 to June 2001.

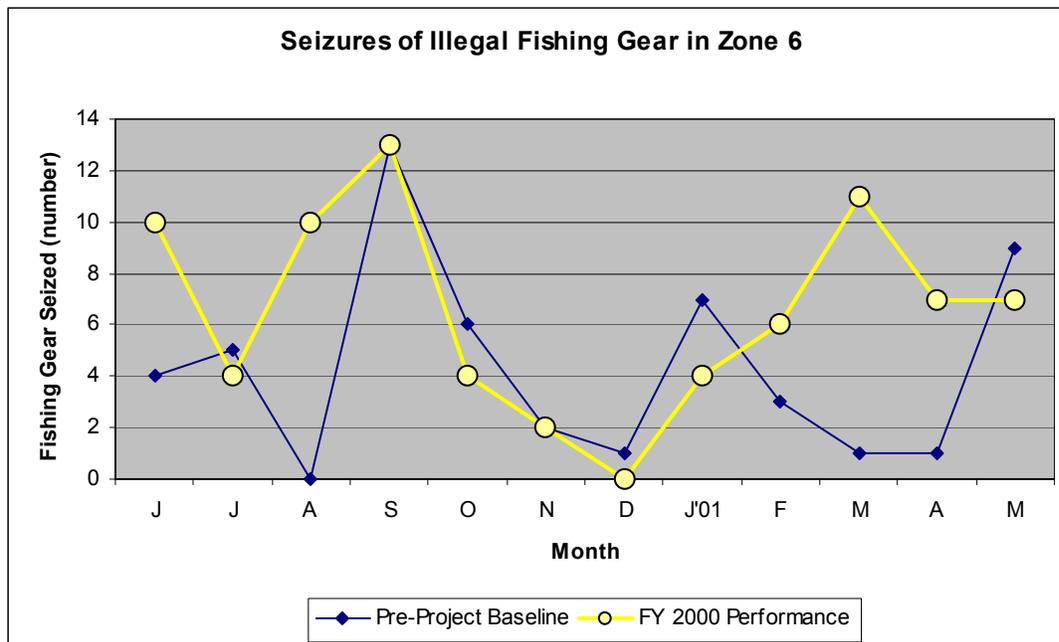


Figure 15. Seizures of illegally fished gear by CRITFE officers during the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

Table 10. Total illegal fishing gear seized or recovered by CRITFE officers, by quarter, January 2000 through June 2001.

Fishing Gear Seized or Recovered (Number)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Gill Nets	1	14	18	2	12	27
Hoop Nets	5	6	9	4	9	3
Sturgeon Set Lines	5	0	0	0	0	0
Total Gear Seized	11	20	27	6	21	30

The total number of illegally caught salmon and steelhead confiscated for commercial fishery violations in Zone 6 increased from a monthly average of about 3.5 during January-April to a peak of 52 during May, with a subsequent declines to low levels during June-July (Figure 16). Elevated levels occurred during the fall salmon season, with a peak of 151 salmonids confiscated during September 2000. During the spring 2001 fishing season seizures of illegally caught salmonids again peaked in May, but the level was over twice that of April-June 2000 (i.e., 66 salmonids). The number of illegally caught salmonids confiscated during the spring 2001 fishing season was: 29 in April, 122 in May and 26 in June.

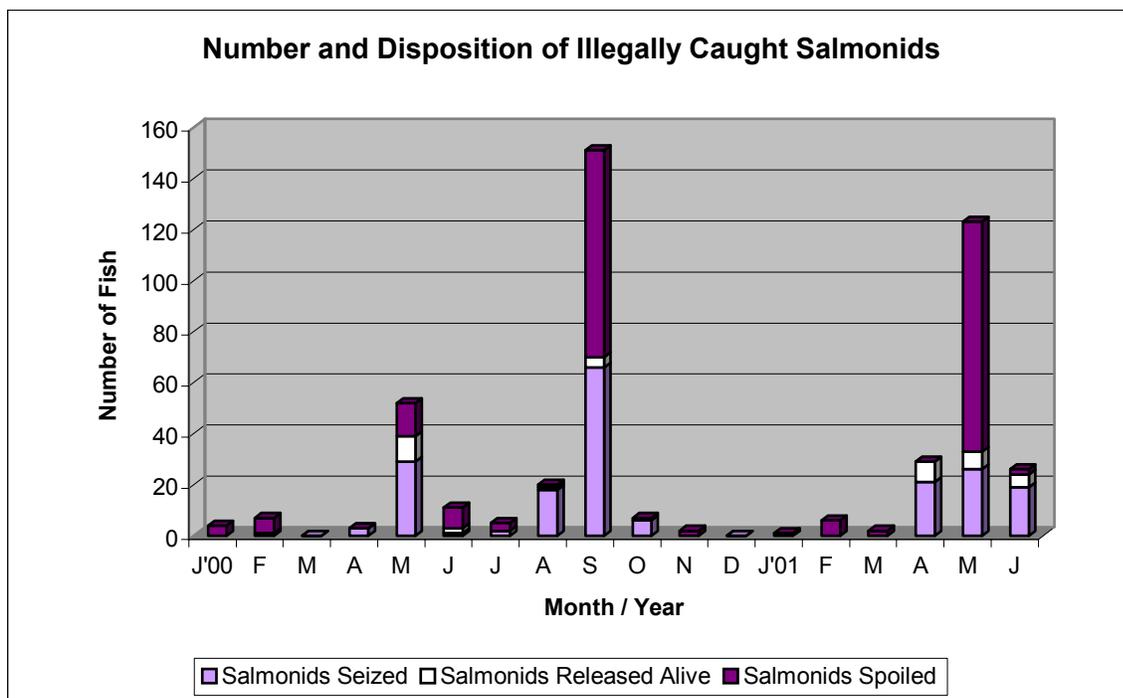


Figure 16. Time series of CRITFE seizures and dispositions³ of illegally caught salmon and steelhead in Zone 6 from January 2000 to June 2001.

The three disposition categories for illegally caught fish are (a) spoiled and returned dead to the river, (b) unharmed and released alive to the river, and (c) mortalities in good condition seized and frozen for beneficial uses. Of the 357 illegally caught salmon & steelhead handled by enforcement officers during June 2000 to May 2001 -- 195 (59.6%) were spoiled and wasted, 140 (39.2%) were mortalities in edible condition, and only 22 (6.2%) were released alive to the river. Most of the live releases of seized salmonids occurred during the spring fisheries.

³ The three disposition categories for illegally caught fish are (a) **“alive”** - unharmed and released alive to the river, (b) **“seized”** - mortalities in good (edible) condition that are seized and frozen for beneficial uses, and (c) **“spoiled”** mortalities in various stages of decomposition that are returned dead to the river.

Illegal salmonid seizures for FY2000 (357 fish) was over 2.5 times that of the previous 12-month baseline period, i.e., 139 fish (Figure 17).

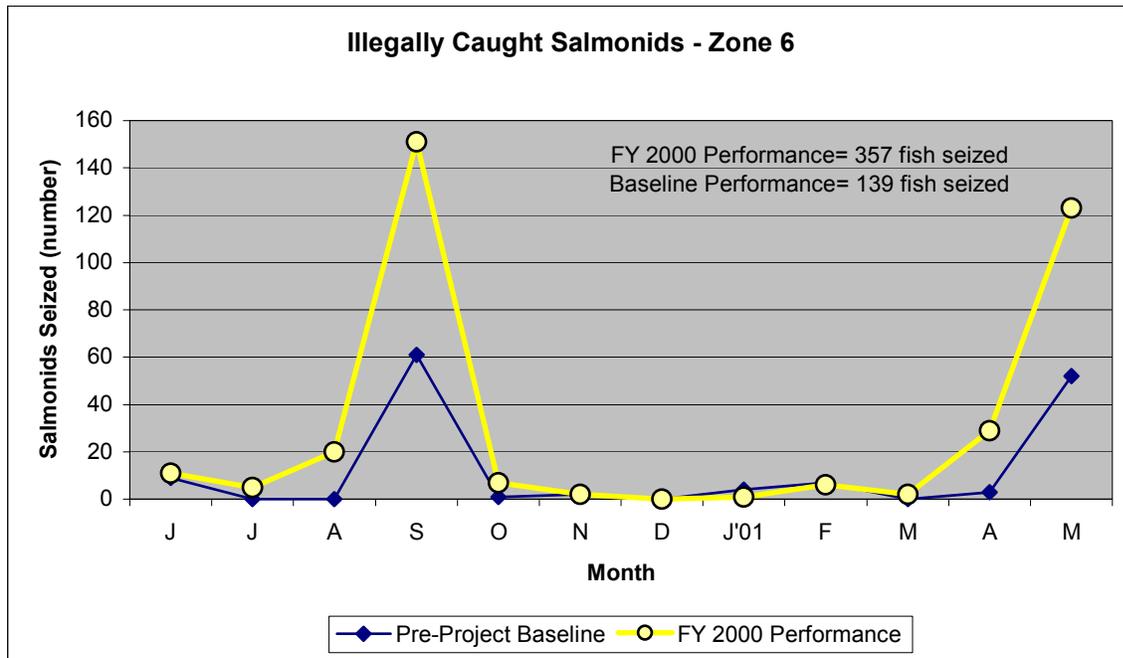


Figure 17. Seizures of illegally caught salmonids by CRITFE officers during the FY2000 performance period -- June 2000 through May 2001 -- compared to the previous 12-month baseline.

Similarly, illegal white sturgeon seizures for FY2001 (151 fish) was nearly twice that of the previous 12-month baseline period, i.e., 85 fish (Figure 18).

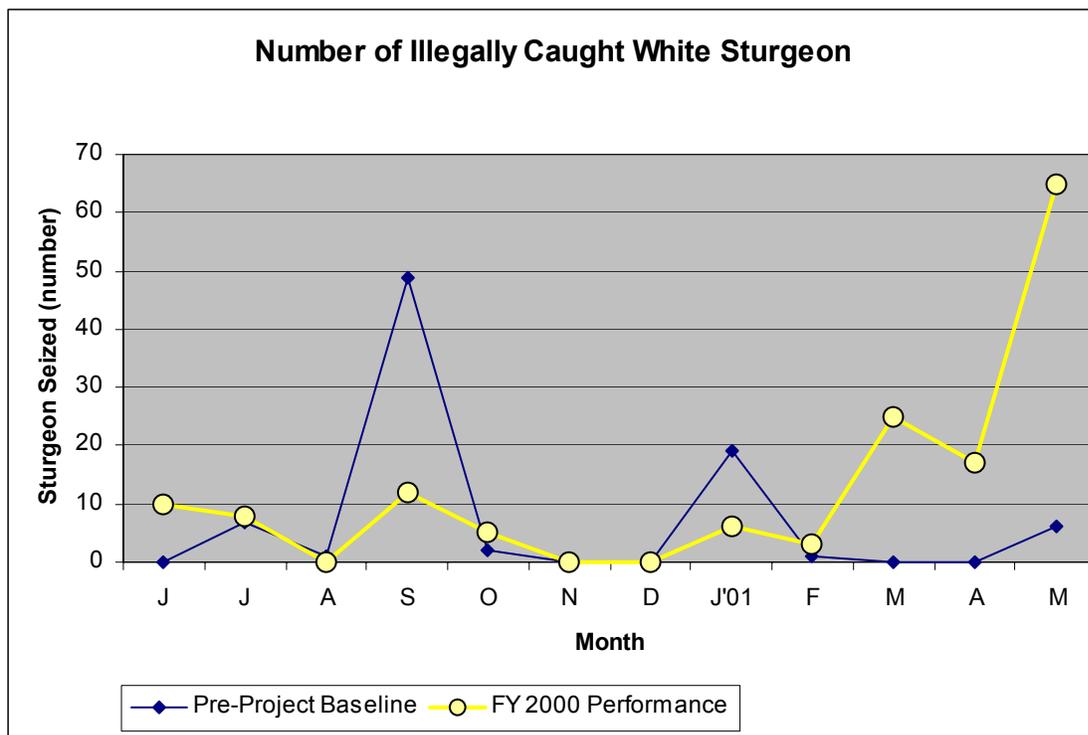


Figure 18. Seizures of illegally caught white sturgeon by CRITFE officers during the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

Table 11. Total number of illegally-caught fish seized or recovered by CRITFE officers, by quarter, January 2000 through June 2001.

Fish Seized (Number)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Salmon Seized	0	32	79	2	0	66
Salmon Released Live	0	11	4	0	0	19
No. Spoiled Salmon	2	14	82	2	6	91
Steelhead Seized	0	1	7	4	0	0
Steelhead Released Live	1	1	1	0	0	1
No. Spoiled Steelhead	8	7	3	1	3	1
Total Salmonids Seized	11	66	176	9	9	178
Sturgeon Seized	2	3	2	4	2	2
Sturgeon Released Live	14	7	3	0	27	21
No. Spoiled Sturgeon	4	6	15	1	5	61
Total Sturgeon Seized	20	16	20	5	34	84
Total Fish Seized	31	82	196	14	43	262

Violations Reported and Warnings Issued

The overall level of CRITFE enforcement actions during the period enhanced by FY2000 BPA funding (April 2000 to March 2001) was substantially higher than that of the preceding quarter (Figure 4). The temporal pattern of violations and warnings issued by CRITFE officers was similar to the contact statistics described in the previous section, i.e., the time period of maximum enforcement actions was during the April-June 2000 corresponding to fishing seasons in the Zone 6. From April 2000 to March 2001, CRITFE officers made 361 enforcement actions during the FY2000 performance period – including a total of 89 citations and 95 warnings (Table 4). Officers also ran 62 vehicle checks and 123 identification checks during the FY2000 performance period.

On a temporal basis, the total number of violations is generally correlated with the total number of calls to duty (cases) documented by CRITFE enforcement personnel each month. The time series comparison of these two output statistics during the FY2000 performance period is presented in Figure 19. For the period June 2000 through May 2001, 344 violations were documented – out of 976 total cases initiated, i.e., a validity rate of about 35 percent.

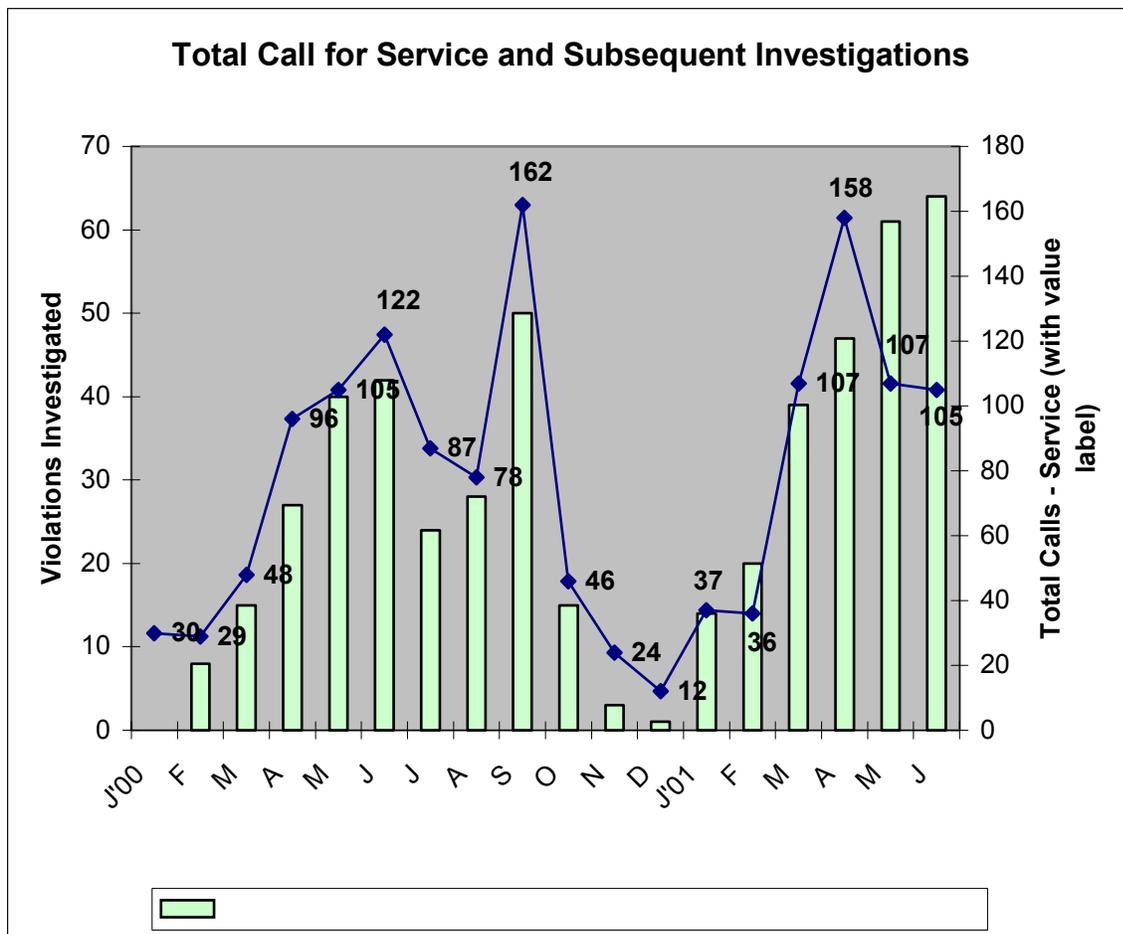


Figure 19. Time series of CRITFE calls to duty and subsequent violations investigated -- from January 2000 to June 2001.

A substantial proportion of cases are developed from telephone tips from the public taken by CRITFE enforcement dispatchers. Cases can also be initiated by “discovery” – i.e., field officers finding physical evidence or direct observation of resource violations. Regardless of the origin of a case that is opened by enforcement personnel, it will ultimately be determined by the investigating officer to be either unfounded or to be a valid violation.

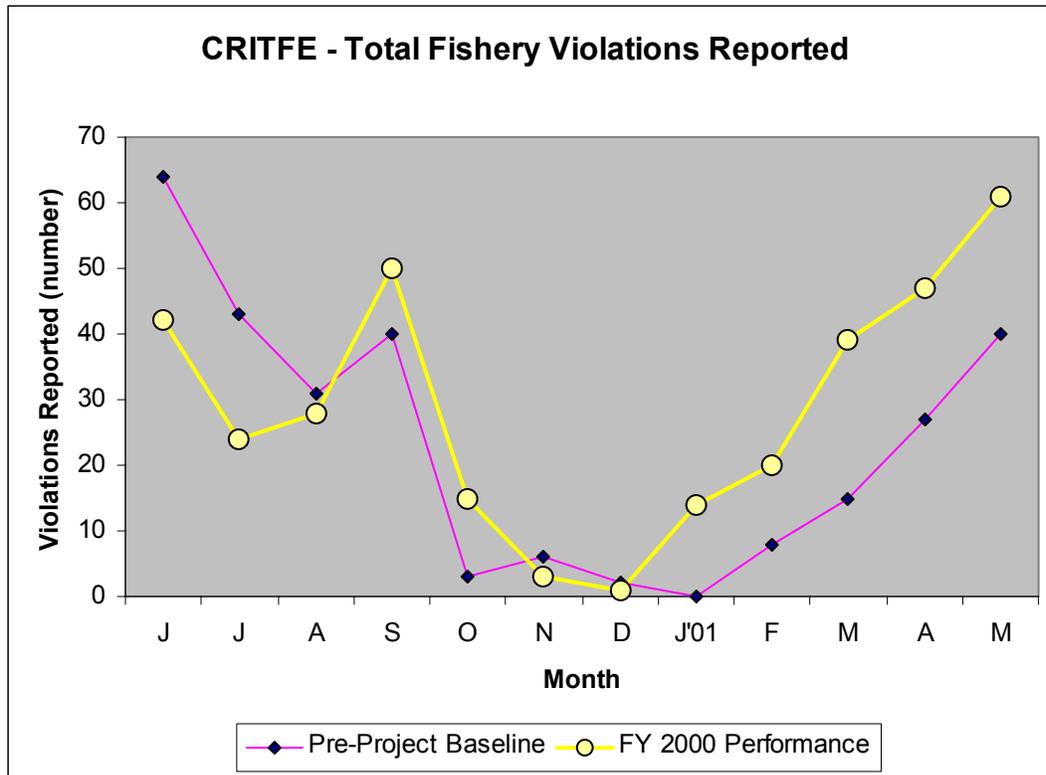


Figure 20. Total violations reported to CRITFE dispatchers and officers during the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

A similar monthly pattern of total fishery violations reported in Zone 6 was observed for FY2000 compared to the previous baseline. However the number of violations reported in FY2000 (344) was 23% higher than that of the previous 12-month baseline period, i.e., 279 (Figure 20).

Table 12. Secondary CRITFE output statistics (warnings, assists, and property complaints), by quarter, January 2000 through June 2001.

Enforcement Statistic (Number)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Warnings	17	40	25	5	31	100
Outside Agency Assists	44	117	107	41	76	115
Citizen Assists	20	63	79	20	36	84
Lost/Stolen Property Complaints	4	7	6	4	5	6
Damaged Property Complaints	2	4	7	0	2	15

Fishery Arrests and Compliance Rate

The number of total arrests for fishery violations in Zone 6 increased from a monthly average of about 4.8 during January-April 2000 to about 22.5 per month during May and June (Figure 21). Concurrently, the number of warnings increased from a monthly average of about seven during January-April 2000 to about 14.5 per month during May and June. Fishery arrests declined in July, with an increasing trend through October – corresponding to the execution of the fall salmon fishery. Low arrests were observed during the late-fall to winter off-season. An increasing trend in fishery arrests and warnings was again observed for the first half of CY2001 – with an average of about 25.5 arrests and 41 warnings per month during May and June.

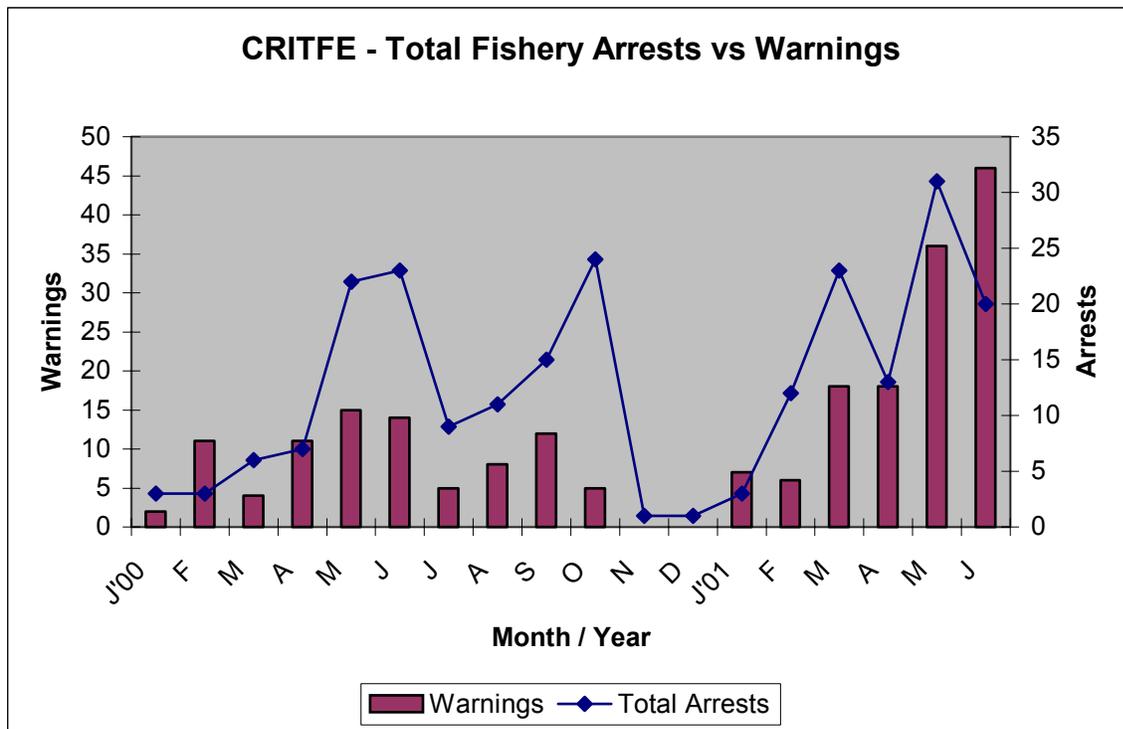


Figure 21. Time series of CRITFE total arrests compared to enforcement warnings -- from January 2000 to June 2001.

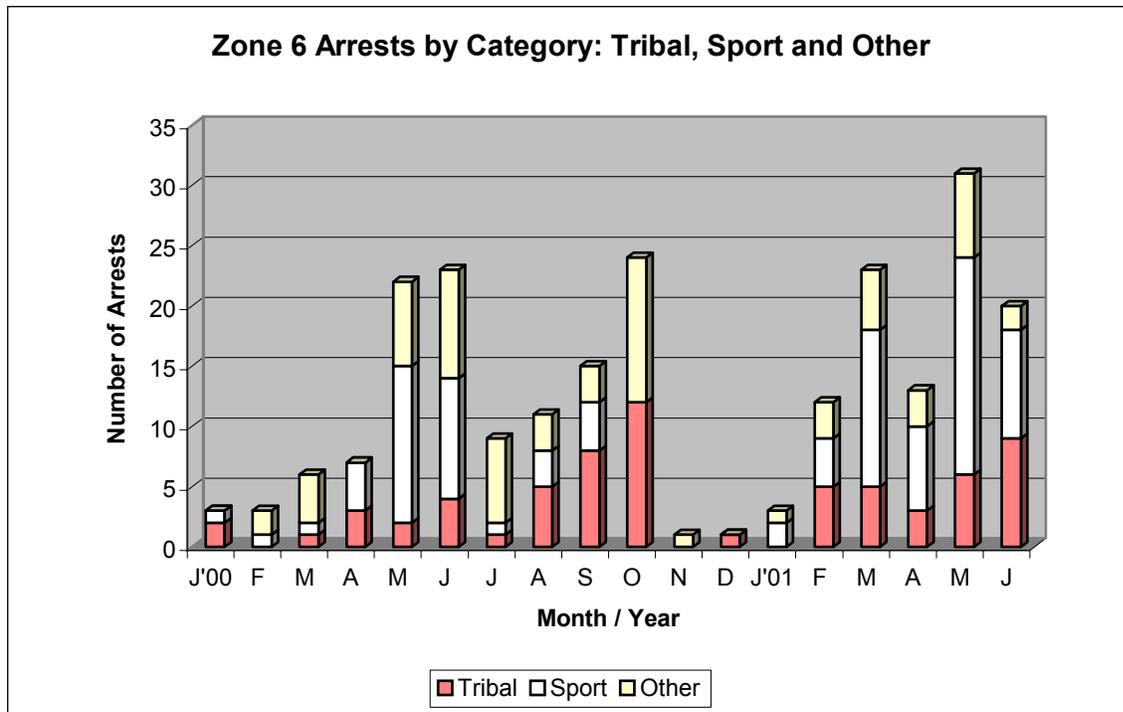


Figure 22. Time series of tribal, sport and other fishery-related arrests in Zone 6 from January 2000 to June 2001. Overall column height indicates total number of fishery-related arrests by month.

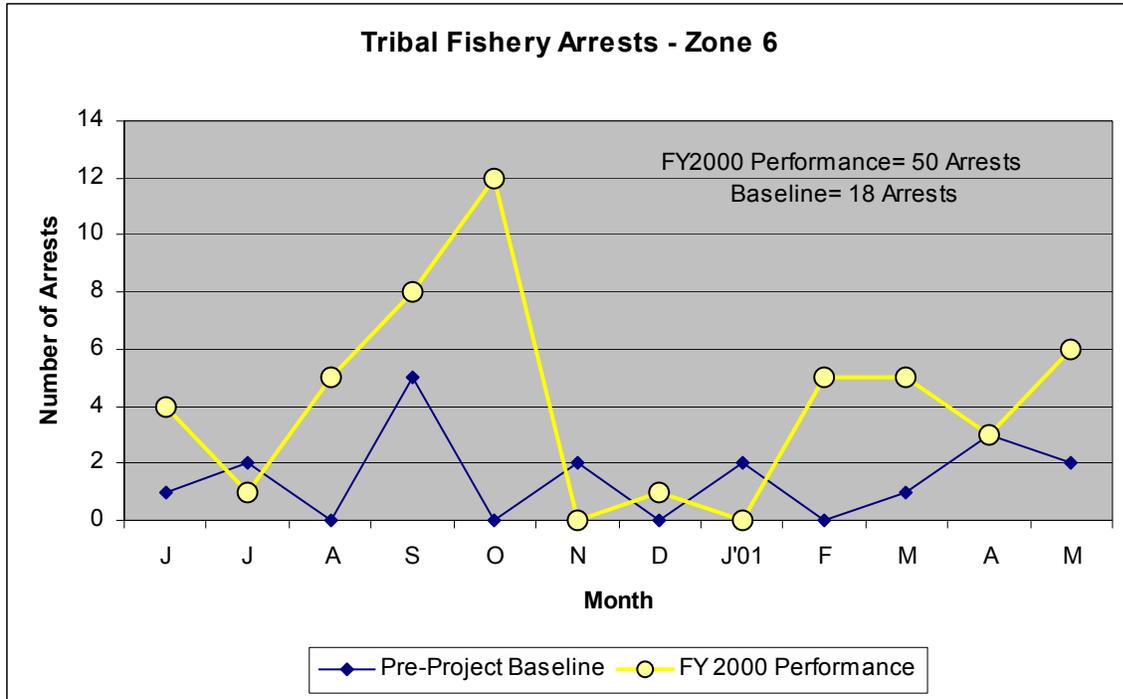


Figure 23. Arrests of fishers during Zone 6 tribal fisheries by CRITFE officers during the FY2000 performance period -- June 2000 through May 2001 – compared to the previous 12-month baseline.

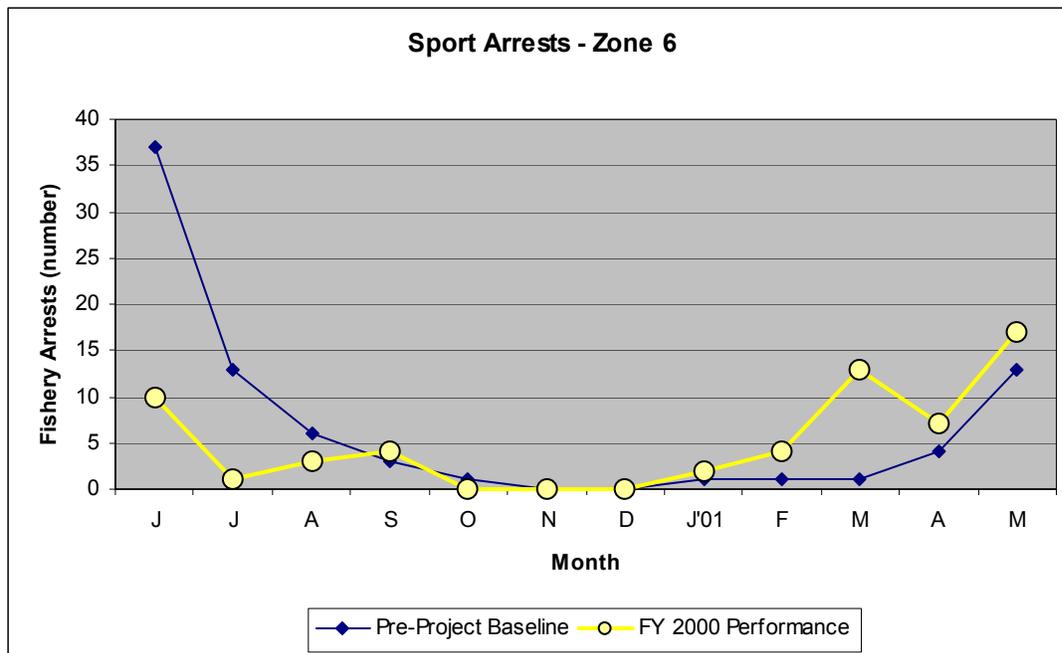


Figure 24. Arrests of fishers during Zone 6 sport fisheries by CRITFE officers during the FY2000 performance period -- June 2000 through May 2001 -- compared to the previous 12-month baseline.

Table 13. Total CRITFE fishery arrests, by quarter, January 2000 through June 2001.

Fishery Arrest Category (Number)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Commercial Arrests	2	2	11	5	7	11
Subsistence Arrests	1	5	3	8	3	7
Ceremonial Arrests	0	0	0	0	0	0
Other Tribal Arrests	0	2	0	0	0	0
State Sport Arrests	3	27	8	0	19	29
State Court Arrests	0	7	5	1	2	5
Arrest Assists	4	8	6	11	6	7
Arrest Warrants Served	2	1	2	1	1	5
Total Number Of Arrests	12	52	35	26	38	64

We calculated compliance rates⁴ from CRITFE conservation law enforcement action statistics (violations and/or warnings) as a percent of total contacts, by quarter, for the period April 2000 through March 2001 (Table 14). The average violation compliance rate was 73.3 percent for Quarter 1-2000, and improved to an average of 87.2 percent for the performance period, April 2000 through March 2001.

Table 14. Total CRITFE enforcement violations reported, arrests, and mean compliance rate -- by quarter, January 2000 through June 2001.

Enforcement Contacts and Compliance Rates (Number / Percent)	Year 2000				Year 2001	
	Q1 (Jan-Mar)	Q2 (Apr-Jun)	Q3 (Jul-Sep)	Q4 (Oct-Dec)	Q1 (Jan-Mar)	Q2 (Apr-Jun)
Violations Reported & Investigated	23	109	102	19	73	172
Total Number Of Arrests	12	52	35	26	38	64
Compliance Rate #1*	97.92%	95.36%	96.04%	96.18%	96.54%	95.49%
Compliance Rate #2*	98.92%	97.79%	98.64%	94.77%	98.20%	98.32%

*Compliance Rate #1
Calculated as 1-(total number of **violations reported and investigated** divided by total contacts) expressed as a percentage.

*Compliance Rate #2
Calculated as 1-(total number of **arrests** divided by total contacts) expressed as a percentage.

The monthly time-series of fishery compliance rates for January 2000 through June 2001 is illustrated in Figure 25. Compliance rate was greater than 97% during 17 of the 18 the months of record (94% of the time). The lowest recorded compliance rate during the 18-month time-period was 90% compliance during October 2000.

⁴ Two compliance rates were calculated for a specified time period: (1) violations/total contacts, and (2) violations+warnings/total contacts – expressed as a percentage. The compliance rate based on violations only is probably the more consistent statistic for temporal comparisons because it excludes the infractions that are considered to be in the “gray area”, have extenuating circumstances, or are less damaging to the resource – based on the conservation officers’ subjective judgment.

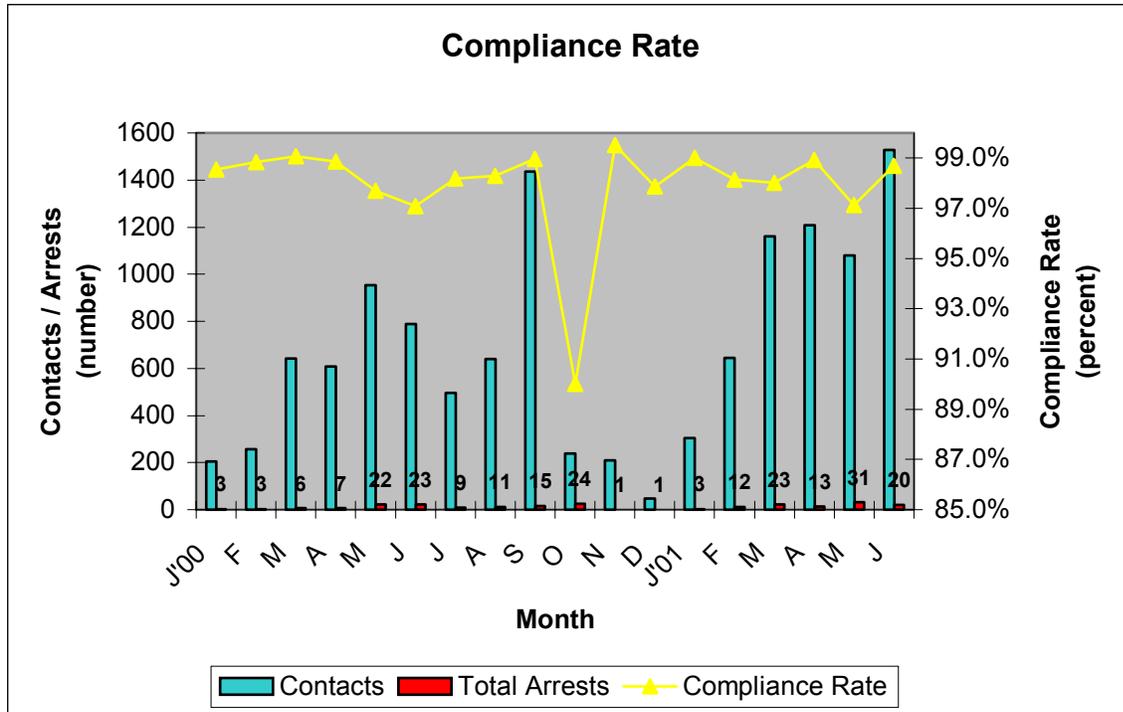


Figure 25. Monthly compliance rate calculated from CRITFE Zone 6 fishery arrests as a percent of total enforcement contacts – for the period, January 2000 through June 2001.

Training

During the FY2000 performance period, conservation enforcement training consisted of federal academies and on-the-job training leading to conservation officer certification by the Columbia River Inter-Tribal Fisheries Enforcement:

- Indian Police Academy – Bureau of Indian Affairs, Artesia, New Mexico
- Basic Land Management Academy – National Marine Fisheries Service, Glynco, Georgia
- Field Recruit training (officer ride along) – Lapwai, Idaho
- Officer Certification -- Federal Land Management Training Academy⁵

In addition to basic police training, specialized training for CRITFE conservation officers includes resource management fundamentals, fish & wildlife biology, Endangered Species Act processes, Federal and State fish & wildlife regulations, CRITFE fish & Wildlife code, manual & computerized record keeping, physical fitness, hand to hand combat, emergency medical assistance, and search & rescue. In the Quarter 2-2000 M&E progress report, we documented the professional training completed by CRITFE enforcement personnel for 1996-1999, and the first quarter of year 2000 (refer to the M&E web site www.Eco-Law.net). A list of professional training completed by CRITFE enforcement personnel during the performance period for FY2000 (April 2000-March 2001) is presented in Appendix 2.

Public Outreach

A list of public outreach activities during FY2000 performance period – at which CRITFE enforcement personnel participated – is presented in Table 15. During these conferences, enforcement officers and dispatchers provided information on fish & wildlife conservation and promoted the goals and objectives of the CRITFC Conservation Enforcement department.

Table 15. Public information and outreach activities performed by CRITFE personnel, for FY 1999 (May 15, 1999 – May 14, 2000) and FY2000 (May 15, 2000 – May 14, 2001).

May 2000:
Chief Johnson and Lt. Ekker attended an award ceremony in the Legislative Reception Room of the Legislative (Capitol) Building in Olympia on the 16 th . Officer Lori Watlamet received the Washington State Historic Preservation Officers Award for Outstanding Achievement in the education category for her work in ARPA/NAGPRA.
At the Native American Fish & Wildlife Society (NAFWS) meeting in Reno, NV on May 21 st ,

⁵ The Federal Land Management Training Academy is a multi-agency facility for training of federal conservation law enforcement personnel stationed throughout the United States; the National Marine Fisheries Service sponsors the CRITFE officers.

Officer L. Watlamet received the NAFWS' Conservation Officer of the Year award in recognition of her ARPA work on the Columbia River.
June 2000:
On the 28-29, Officer L. Watlamet traveled to Lapwai, ID and assisted Jeff Van Pelt conduct Cultural Awareness and Protection training for the Nez Perce tribe in Lapwai, ID.
June 26-29 Officers Hicks, Watlamet and Mendoza attended COPS in Indian Country Training in Scottsdale, Arizona. The training was instructed by a private training group but was sponsored by BIA. The training included assessments of department and community needs, training department personnel, building community partnerships, building inter-agency partnerships, identifying problems/barriers, initiating implementation plans, and measuring progress.
Officers Jubitz and Hicks assisted Warm Springs Tribal PD at the Pi Ume Sha powwow throughout the weekend of 23-25.
October 2000:
Officer L. Watlamet attended the PKT meeting in Walla Walla on October 12 th , and the WPKK meeting at the HRO on the 13 th .
A CRITFE officer conducted a presentation on Cultural Resource Protection for students of Metropolitan Learning on October 21 st , at the Government Mineral Spring campground in Wind River.
Sgt. Lame Bull attended the NAFWS regional conference October 16-20 in Lincoln City, OR. The Siletz tribe hosted the conference, held the traditional dinner, and provided the elders panel. Sgt. Lame Bull coordinated the Law Enforcement panel and the conservation officer=s shoot competition. Officer L. Watlamet coordinated the one-day ARPA class that was well received and was requested to hold a 2-day class at the National Conference in May 2001.
November 2000:
On November 8th, Officers Mendoza and P. Watlamet attended a Yakama fishers meeting at the Shilo Inn in The Dalles. Discussion included a report on the use of 9 inch gear used during the fall season and a forecast for the 2001 Spring Chinook run -- the forecast for the spring chinook season is that it will be larger then last year and one of the best since the counting started at Bonneville Dam.
Officer Mendoza is preparing an informational release for the local windsurfers association -- to explain treaty fishing rights and activities, consequences of interfering with tribal gear. He will provide the CRITFE number to report any problems. Upon final approval, the release will be printed in newsletters and posted on the local wind surfer=s web site. A presentation will also be prepared for future meetings and the officer will be available for question and answer sessions.
January 2001:
Sgt. Lame Bull attended the Wanapa Koot Koot meeting in Warm Springs on the 18 th & 19 th .
February 2001:
Sgt. Lame Bull and Officer L. Watlamet attended WPKK meeting in Spokane, WA on the February 20 th . On February 21-22, T. Lame Bull and L. Watlamet attended the BPA Elders conference.
Officer L. Watlamet met with Janet Cook on February 7 th . She met with Susan Colby, a Physical Anthropologist in Vancouver, WA on the 16 th . Officer L. Watlamet met with CRPARCH at the Yakama Nation Cultural Resources Dept. in Toppenish, WA on the February 27 th . She met with a Hood River News Reporter on the 28 th .
March 2001:
On March 1 st , Officer L. Watlamet spoke to the Portland Women's Forum whose Mission

Statement is to protect the Columbia River Gorge. Officer L. Watlamet met with Janet Cook of the Hood River News on the March 7 th . Ms. Cook wrote an article on Officer L. Watlamet's role in protecting cultural resources in the Colu 7 th , Officer L. Watlamet spoke to students at the Portland State University on the preservation of cultural resources.
April 2001:
Officer L. Watlamet gave a verbal warning to a subject who called and reported that she picked up an arrowhead at Celilo and wanted to turn it in. Officer L. Watlamet seized the flake and further advised the subject that in the future, to leave arrowheads where she finds them.
On April 25 th , Capt. Ekker and Admin. Supv. Lame Bull went on the access/in-lieu site tour; they visited the White Salmon site which is in progress, the future Avery site, the Mary Hill site was undergoing finishing touches, Preacher's Eddy is completed but needs improvements, Giles French future plans, and the completed C isited more sites on April 26 th .
Sgt Lame Bull hosted a Law Enforcement Basketball Tournament in Stevenson, WA on April 7 th . The CRITFE team took championship in the round robin, Yakama F&G took second, and Skamania County SO took third. Proceeds were divided among the CRITFE emergency fund, Stevenson Food Bank and Stevenson High School.
Officer L. Watlamet conducted two presentations on April 21 st to the Skamania County Sheriff's Office.
During the spring commercial season, Officer L. Watlamet contacted tribal and sports fishermen, she handed out CRITFE cards and ARPA brochures.
May 2001:
Sgt. Lame Bull attended the 2001 Native American Fish and Wildlife Society (NAFWS) Conference May 20-24 and the NAFWS 's meetings on May 19-20.
Officer Mike Mendoza received the NAFWS Conservation Officer of the Year Award in recognition of his years of service to CRITFC, as well as two river rescues in the past year.
Officer Tegner gave class presentations to grades 1-5 at A. C. Houghton Elementary School in Irrigon, Oregon on May 29- 30 and June 4. Questions ranged from "How much a citation for no angling license was, littering, rescues, how fast are the boats, what tribes fish, how many Salmon were in the river, how much area does CRITFE patrol" etc. She also distributed BNSF Railroad rulers, book markers and zipper pulls with the safety motto on them; this gave her the opportunity to discuss boating and railroad safety. Officer Tegner took a patrol boat so the classes could see the various equipment and safety gear. Officer Tegner received a certificate of appreciation.
Officer L. Watlamet gave a joint presentation with Linda Walker, CoE Archeologist, in Coquille on May 20 th , Lori described enforcement e 6 and how it's being dealt with through public education, training, brochures, etc.
Officer L. Watlamet gave a joint present ons and Jeff Van Pelt in Warm Springs. Lori described the enforcement problems in Zone 6, Tim Simmons discussed ARPA./NAGPRA law, and Jeff Van Pelt explained the purpose of the WPKK group (tribes working together towards one goal).
June 2001:
Officer Mendoza gave a presentation to the Mt. Adams Fish and Game club on June 7 th . Officer Mendoza fielded questions about the Underwood boat launch and the restricted use for tribal fishers only. He also provided some ARPA info due to the possibility of low water. Officer Mendoza concluded with telling the group 1 CRITFE with information about poaching or looting along the Columbia River.

SECTION 2. Logistical Constraints and Adjustments

This section consists of a brief discussion of any major problems encountered during April 2000 – March 2001; including changes in personnel, work plans, or schedule deviations.

The BPA-CRITFC Conservation Enforcement contract (current #000000112-00001; initially 00BI-26426) was signed by Elizabeth C. Ellis, BPA COR on 5-25-00 and by Donald Sampson, Director, Columbia River Inter-Tribal Fisheries Commission (CRITFC) on 6-1-00. Beginning on May 15, 2000, however, pre-contract expenditure of funds was approved by Brad Miller, BPA COTR. The performance period for FY 2000 is May 15, 2000 to May 14, 2001. Work on the Monitoring and Evaluation component of the conservation Enforcement Project (BPA Project 2000-056-00) was delayed until after the contract was officially in place in June, 2000.

Due to rigorous conservation enforcement training requirements, outlined in the previous section, a lag time of at least 6 months is needed before a newly hired law enforcement recruit is transformed into a fully functional certified officer. In order for tribal members to have a real opportunity for employment as CRITFC Conservation Enforcement officers, the positions must be offered at the trainee level. That is, a hiring policy that required fully trained and commissioned officers at the entry level would exclude most CRITFE members that are seeking work. Furthermore, CRITFE personnel policy requires that hiring of enforcement recruits comply with proper procedures and legal requirements, including tribal preference. Thus, in order to comply with mandated hiring procedures, an initial delay of 1 to 3 months may occur -- from the time funding becomes available until a recruit starts work.

Academy and field training of enforcement officer recruits continued throughout the FY 2000 performance period. The logistical difficulty and up-front investment in hiring, training, mentoring, and keeping high quality law enforcement officers stationed at Hood River, Oregon is directly related to the need for consistent long-term funding. It is very damaging to the CRITFC Conservation Enforcement program cost-effectiveness – from a personnel and training investment standpoint -- when funding is substantially reduced, as it was when BPA funding was withdrawn in FY1998-99.

When funds are severely restricted enforcement departments generally go into a survival mode – protecting core enforcement personnel and patrol priorities. Thus as a result of arbitrary budget cuts experienced in 1998-99, rigorous conservation enforcement data compilation and reporting received a lower priority -- and ultimately the continuity of data time series needed for effective monitoring & evaluation was lost or diminished.

SECTION 3. Planned Activities

This section consists of a short description of planned activities for the following fiscal year's performance period, i.e., April 1 2001 through March 31, 2002.

- (1) Intensified resource protection patrols;
- (2) Office training on field data collection and data base transfer protocols;
- (3) Academy and field training for enforcement officer recruits; and
- (4) Monitoring and evaluation data compilation and analyses.

Tribal fisheries, under the jurisdiction of the Columbia River Inter-Tribal Fisheries Enforcement, planned for CY2001 (April 2001 –March 2002) are listed in Appendix 3.2.

SECTION 4. Non expendable property

This section provides an itemized list of Non-expendable property (cost greater than \$3,000) procured under this contract and each designated sensitive item purchased during the FY 2000 performance period, i.e., May 15, 2000 – May 14, 2001.

Quarter 2, 2000:

There were no BPA-funded purchases of non expendable property or sensitive items during April 1 through June 31, 2000.

Quarter 3, 2000:

A Ratheon Nightsight (model 4000B) -- for use during nighttime boat patrols -- was procured during Quarter 3 at an estimated cost of \$11,000. This device will be installed during October 2000; it will increase boat patrol effectiveness during darkness and contribute to more safe working conditions for CRITFE officers. No “sensitive items” were purchased during July 1 through September 31, 2000.

Quarter 4, 2000:

There were no BPA-funded purchases of non expendable property or sensitive items during October 1 through December 31, 2000.

Quarter 1, 2001:

No non expendable property was procured under the BPA contract during January 1 through March 31, 2001. One “sensitive” item was purchased during the first quarter of 2001: a 17 inch flat panel energy-efficient computer display monitor for use by Hood River Office Enforcement Dispatch at a cost of \$1,100.

Quarter 2, 2001:

No non expendable property or “sensitive items” were purchased during April 1 through June 31, 2001. During Quarter 2, CRITFE made plans to obtain Mobile Data Terminals (MDTs), with non-BPA funds, for use by officers in the field; however, the units have not yet been procured. These computer terminals will facilitate the recording of field-generated enforcement data and should increase the overall efficiency of field operations, especially information compilation needed for Monitoring & Evaluation.

SECTION 5. References

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APPENDICES

Appendix 1. Law enforcement positions, personnel and primary funding support during 2000-2001 -- Columbia River Inter-Tribal Fisheries Enforcement, Hood River, Oregon.

Positio	Name	Primary Funding	Code
Chief		Bureau of Indian Affairs	126000
Captain	Jerry Ekker	Bureau of Indian Affairs	126000
Sergeant	Ted Lame Bull	Bureau of Indian Affairs	126000
Sergea	Mitch Hicks	Bonneville Power Admin.	206020
Officer	Don Ellingson	Bureau of Indian Affairs	126000
Officer	Justin Frazier	Bonneville Power Admin.	206020
Officer	Mark Jubitz	DOJ COPS/BIA	446001
Officer	Bob McCrum	Bureau of Indian Affairs	126000
Officer	Michael Mendoza	Bureau of Indian Affairs	126000
Officer	Brent Ocheskey	Bonneville Power Admin.	206020
Officer	Christine Tegner	DOJ COPS/BIA	446001
Officer	Lori Watlamet	Corps Archeological Protection	466002
Officer	Phillip Watlemet	Bureau of Indian Affairs	126000
Admin Supervisor	Cathy Lame Bull	Bureau of Indian Affairs	126000
Dispat	Carol Daniels	Bureau of Indian Affairs	126000
Dispat	Beth Deskin	Bonneville Power Admin	206020
Dispat	Misty Green	Bureau of Indian Affairs	126000
Dispat	Ida Hatch	Bureau of Indian Affairs	126000
Dispatcher	Sue MacKenzie	Bureau of Indian Affairs	126000
Part Time Dispatcher	Barbara Christjansen	Bureau of Indian Affairs	126000

Code:

126000= Bureau of Indian Affairs

446001= Depaartment of Justice COPS Grant

206020= Bonneville Power Administration Fisheries

466002= Corps of Engineers Archeological Protection

Appendix 2. FY2000 performance period CRITFE conservation law enforcement statistics, May 2000 - May 2001.

PATROL TIME	May'00	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan'01	Feb	Mar	Apr	May
Hours Patrolled Commercial	787	677	616	829	1,096	485	432	172	713	779	886	773	870
Hours Patrolled Ceremonial	14	9	0	5	0	0	0	0	0	1	9	52	28
Hours Patrolled Sport	22	43	25	26	2	6	4	0	26	35	101	24	33
Hours Patrolled Aircraft	0		0	0	3		0	0	0	0	0	0	
Hours Worked Inter-Agency	7		16	9	3		2	3	0	0	13	1	
Hours Investigation	18		6	19	22		3	2	18	22	24	30	
Hours Day Boat Patrol*	121		75	110	162		52	34	32	53	170	112	
Hours Night Boat Patrol*	27		15	107	137		9	0	49	78	62	106	
Hours Day Shore Patrol*	482		470	428	484		295	116	631	639	570	428	
Hours Night Shore Patrol*	290		143	276	352		106	21	168	238	278	266	
Total Officer-hours Patrolled	848		663	888	1,126		441	177	757	837	1,033	880	
NETS													
Gill Nets Seized/Recovered	8		0	6	12		1	0	2	0	10	7	
Hoop Nets Seized/Recovered	1		4	4	1		1	0	2	6	1	0	
Sturgeon Set Lines Seized/Rcvr.	0		0	0	0		0	0	0	0	0	0	0
FISH													
Salmon Seized	29		1	16	62		0	0	0	0	0	21	
Salmon Released Live	10		0	1	3		0	0	0	0	0	8	
No. Spoiled Salmon	13		2	1	79		1	0	0	4	2	0	
Steelhead Seized	0		1	2	4		0	0	0	0	0	0	
Steelhead Released Live	0		0	0	1		0	0	0	0	0	0	
No. Spoiled Steelhead	0		1	0	2		1	0	1	2	0	0	
Sturgeon Seized	3		0	0	2	4	0	0	0	2	0	0	
Sturgeon Released Live	2	5	2	0	1	0	0	0	1	1	25	17	4
No. Spoiled Sturgeon	1	5	6	0	9	1	0	0	5	0	0	0	61
ARRESTS													
No. Commercial Arrests	0	2	0	3	8	5	0	0	0	4	3	2	1
No. Subsistence Arrests	0	2	1	2	0	7	0	1	0	1	2	1	5
No. Ceremonial Arrests	0	0	0	0	0	0	0	0	0	0	0	0	0
o. Other Tribal Arrests	2	0	0	0	0	0	0	0	0	0	0	0	0
No. State Sport Arrest	13	10	1	3	4	0	0	0	2	4	13	7	17
No. State Court Arrest	5	2	5	0	0	1	0	0	0	0	2	0	1
No. Arrest Assists	2	6	2	2	2	10	1	0	1	2	3	0	5
No. Arrest Warrants Served	0	1	0	1	1	1	0	0	0	1	0	3	2
Total Number Of Arrests	22	23	9	11	15	24	1	1	3	12	23	13	31

*Already Calculated In Total

Appendix 2. FY2000 performance period CRITFE conservation law enforcement statistics, May 2000 - May 2001. (continued)

OTHER	May'00	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan'01	Feb	Mar	Apr	May
ed	19,843	16,785	17,117	15,429		14,182	10,400		17,697	17,706	18,159	14,891	19,614
	0	0	0	0	1	0	0	0	0	0	0	0	0
No. Warnings	15	14	5	8	12	5	0	0	7	6	18	18	36
No. Outside Agency Assists	39	52	35	31	41	25	12	4	18	24	34	35	54
No. Citizen Assists	19	15	22	11	46	6	10	4	4	8	24	41	30
acts	953		496	641	1,436	240	210		305	644	1,161	1,209	1,080
Complaints	2	1	1	0	5	1	0	3	0	4	1	2	4
Damaged Property Complaints	2	0	0	0	7	0	0	0	0	0	2	8	3
Violations Reported & Investigated	40	42	24	28	50	15	3	1	14	20	39	47	61
Total Calls For Service	105	122	87	78	162	46	24	12	37	36	107	158	107

*Day and night patrol hours are already calculated in total patrol hours.

** Note: In the CRITFE data base, some enforcement statistics are further broken down according to the following area and time codes:

<u>Area Codes:</u>	<u>Area Description:</u>
West Bonneville	Bonneville Dam to Hood River Bridge
East Bonneville	Hood River Bridge to The Dalles Dam
West The Dalles	The Dalles Dam to west-end Miller Island
East The Dalles	Miller Island to John Day Dam
West John Day	John Day Dam to Arlington
East John Day	Arlington to McNary Dam
Other Areas	Outside Zone 6
Night Hours	1800 to 0600
Day Hours	0600 to 1800

Appendix 3. Fishing seasons enforced by the CRITFC Conservation Enforcement Department -- with preliminary catches CY 2000; and proposed seasons & regulations for CY 2001.

Appendix 3.1. Priority fish species / seasons for CRITFE Conservation Enforcement patrols – with preliminary catch for CY 2000 (Source Stuart Ellis, CRITFC Harvest Manager).

Fish Species	Season	Zone 6 Fishery (total 2000 preliminary catch by season)
Steelhead	Winter: Spring: Summer: Fall:	N/A C&S + incidental catch in chinook commercial (n= 686) C&S (n= 1,670) C&S + commercial gillnet (n= 18,403)
Chinook salmon	Winter: Spring: Summer: Fall:	Gillnet commercial (n= 6) C&S + platform + commercial (n= 11,250) N/A C&S + commercial gillnet (n> 53,322)
Coho salmon	Winter: Spring: Summer: Fall:	(n= 0) (n= 0) (n= 0) Gillnet commercial (n> 4,373)
Sockeye Salmon	Winter: Spring: Summer: Fall:	(n= 0) (n= 0) C&S + commercial gillnet (n= 3,020) (n= 0)
Sturgeon	Winter: Spring: Summer: Fall:	Setline + gillnet (n= 2,448) Setline + gillnet (n= 670) Setline + gillnet (n= 49) N/A
Walleye	Winter: Spring: Summer: Fall:	Commercial gillnet (n= 247) Commercial gillnet (n= 30) N/A (n= 0) C&S + commercial gillnet (n= 47)
American Shad	Open	Spring-Summer
Northern pikeminnow	Open	BPA bounty fishery: April-September

Appendix 3.2. A preliminary summary of year 2001 Zone 6 Fisheries and regulations (Source Stuart Ellis, CRITFC Harvest Manager).

Fishery	Dates (Start-Stop)	Special Regulations
Winter Fisheries:		
C&S and Platform	1/1-3/14	
Sturgeon	1/1-1/31	
Gillnet	2/1-3/14	
Spring Fisheries:		
Cere	3/15-4/15, 5/28-5/	1
	3/15-5/31	2
	C	
Chinook gillnet Fisheries	4/17-4/19, 4/26-4/28, 5/4-	
Summer Fisheries:		
C&S and platform	6/1-7/31	3
	6/25-6/26, 6/30-7/1	
Sturgeon setline	6/1-8/18	4
C&S and Platform	8/1	5
	8/28-9/1	
illnet	9/	
	9/11-9/15	

Special Regulations:

1. Ceremonial Permit fishery was managed individually by each tribe. Process and dates varied slightly by tribe.
2. Sales of platform caught fish allowed from 4/21-5/28.
3. Sales of platform caught fish allowed from 6/30-7/15.
4. Bonneville and John Day pools open only.
5. Sales of platform caught fish allowed from 8/20 to present.

◆: Data not yet available

Appendix 4. Training courses and academies for CRITFC Conservation Enforcement personnel, April 2000 - May 2001.

Appendix Table 4.1. Specific training activities of supervisors, officers and dispatchers during CY 2000.

Dates	Course/Trainin	Location	Status	Officer
01/27		Lacey, WA	mpleted	T LameBull
	COPS-Supv. Problem S	Hood River, OR	mpleted	Johnson
	Strategies-Implementing	Hood River, OR	ompleted	Johnson
	Police-Close Defense	Vancouver, WA	Completed	Hicks
	Sturgeon Update	Hood River, OR	ompleted	Ekker
	Steel head Update	Hood River, OR	mpleted	Ekker
	Sturgeon Update	Hood River, OR	Completed	Ellingson
	Steel head Update	Hood River, OR	mpleted	Ellingson
	Sturgeon Update	Hood River, OR	ompleted	Green
	Sturgeon Update	Hood River, OR	mpleted	Johnson
	Steelhead Update	Hood River, OR	ompleted	Johnson
	Sturgeon Update	Hood River, OR	ompleted	Jubitz
	Steel head Update	Hood River, OR	ompleted	Jubitz
02-02	Sturgeon Update	Hood River, OR	Completed	C LameBull
02-02	Steel head Update	Hood River, OR	Completed	C LameBull
02-02	Sturgeon Update	Hood River, OR	Completed	T LameBull
02-02	Steel head Update	Hood River, OR	Completed	T LameBull
02-02	Sturgeon Update	Hood River, OR	Completed	McCrum
02-02	Steel head Update	Hood River, OR	Completed	McCrum
02-02	Sturgeon Update	Hood River, OR	Completed	McCrum
02-02	Steel head Update	Hood River, OR	Completed	Mendoza
02-02	Sturgeon Update	Hood River, OR	Completed	L Watlamet
02-02	Steel head Update	Hood River, OR	Completed	L Watlamet
02-02	Sturgeon Update	Hood River, OR	Completed	P Watlamet
02-02	Steel head Update	Hood River, OR	Completed	P Watlamet
02-09	OR Legislative Report/Video	Hood River, OR	Completed	Ekker
02-09	OR Legislative Report/Video	Hood River, OR	Completed	Ellingson
02-09	OR Legislative Report/Video	Hood River, OR	Completed	Hicks
02-09	OR Legislative Report/Video	Hood River, OR	Completed	Johnson
02-09	OR Legislative Update/Video	Hood River, OR	Completed	Jubitz
02-09	OR Legislative Update/Video	Hood River, OR	Completed	McCrum
02-09	OR Legislative Update/Video	Hood River, OR	Completed	Mendoza

02-09	OR Legislative Update/Video	Hood River, OR	Completed	L Watlamet
02-09	OR Legislative Update/Video	Hood River, OR	Completed	P Watlamet
02-16	Self Defense Tactics	Hood River, OR	Completed	Ellingson
02-16	Legal Update-Supreme Court	Hood River, OR	Completed	Green
02-16	Self Defense Tactics	Hood River, OR	Completed	Jubitz
02-16	Self Defense Tactics	Hood River, OR	Completed	T LameBull
02-16	Self Defense Tactics	Hood River, OR	Completed	McCrum
02-16	Self De	Hood River, OR	Co	Me
02-16	Self Defense Tactics	Hood River, OR	Completed	P Watlamet
02-23	ESA Training	Hood River, OR	Completed	Ekker
	ESA Training	Hood River, OR	Completed	Ellingson
02-23	ESA Training	Hood River, OR	Completed	Hicks
02-23	ESA Training	Hood River, OR	Completed	Johnson
02-23	ESA Training	Hood River, OR	Completed	Jubitz
02-23	ESA Training	Hood River, OR	Completed	T LameBull
02-23	ESA Training	Hood River, OR	Completed	McCrum
02-23	ESA Training	Hood River, OR	Completed	Mendoza
02-23	ESA Training	Hood River, OR	Completed	P Watlamet
03-03	Legal Update HB2433	Hood River, OR	Completed	L Watlamet
03-10	Legal Update-Misidentification	Hood River, OR	Completed	Green
04-18	Handgun Qualifications	Hood River, OR	Completed	Ekker
04-18	Handgun Qualifications	Hood River, OR	Completed	Hicks
04-18	Handgun Qualifications	Hood River, OR	Completed	Jubitz
04-18	Handgun Qualifications	Hood River, OR	Completed	Tegner
04-18	Handgun Qualifications	Hood River, OR	Completed	L Watlamet
04-18	Handgun Qualifications	Hood River, Or	Completed	P Watlamet
04-19	CPR/First Aid	Hood River, OR	Completed	Mackenzie
04/22 to 04/28	Phys Fitness Coordinator Trng	Artesia, NM	Completed	McCrum
05-08	FTEP Class	Seaside, OR	Completed	Jubitz
06-07 to 08-09	Communications Training Ofcr	APCO Web cls	Completed	Daniel
06-26	Train the Trainer-COPS	Scottsdale, AZ	Completed	Mendoza
06-28	Handgun Qualifications	Hood River, OR	Completed	Ellingson
06-28	Handgun Qualifications	Hood River, OR	Completed	McCrum
06-28	Handgun Qualifications	Hood River, OR	Completed	Wolfe
06/26 to 06/29	Train the Trainer-COPS	Scottsdale, AZ	Completed	Hicks
07/17 to 07/21	ARPA Training	Hood River, OR	Completed	Tegner

07/17 to 07/21	ARPA Training	Hood River, OR	Completed	Wolfe
07-27	Phys Ability Instructor Training	Monmouth, OR	Completed	McCrum
08-03	Glock Qualifications	Hood River, OR	Completed	Jubitz
08-03	Glock Qualifications	Hood River, OR	Completed	Ocheskey
08-22	Beg PowerPoint 97 Windows	Portland, OR	Completed	Daniel
08-22	Handgun Qualifications	Hood River, OR	Completed	Frazier
08-22	Handgun Qualifications	Hood River	Completed	Hicks
08-22	Beg PowerPoint 97 Windows	Portland, OR	Completed	C LameBull
08-22	Handgun Qualifications	Hood River, OR	Completed	Mendoza
08-22	Handgun Qualifications	Hood River, OR	Completed	Ocheskey
08-23	Financial Mgmt Training	Seattle, WA	Completed	Ekker
08-23	Financial Mgmt Training	Seattle, WA	Completed	Johnson
09/18 to 09/21	LEDS Workshop	Seaside, OR	Completed	Daniel
10-02 to 12-15	Basic Police Academy	Monmouth, OR	Completed	Frazier
10-02 to 12-15	Basic Police Academy	Monmouth, OR	Completed	Ocheskey
10-03	Leadership Dev & Team Blding	Portland, OR	Completed	Hicks
10-03	Leadership Dev & Team Bldg	Portland, OR	Completed	C LameBull
10-03	Leadership Dev & Team Bldg	Portland, OR	Completed	T LameBull
10-04	Mgrs & Supervisors Conference	Portland, OR	Completed	Hicks
10-04	Mgrs & Supervisors Conference	Portland, OR	Completed	C LameBull
10-04	Mgrs & Supervisors Conference	Portland, OR	Completed	T LameBull
10-23	Boating Safety Course	Hood River, OR	Completed	Ocheskey
10-26	Standard Field Sobriety Testing	Monmouth, OR	Completed	Frazier
10-26	ARPA-Crime Scene Inv.	Richland, OR	Completed	T LameBull
10-26	Field Sobriety Testing	Monmouth, OR	Completed	Ocheskey
10/27	ARPA-Crime Scene Inv	Richland, WA	Completed	Tegner
10-27	ARPA-Crime Scene Inv	Richland, WA	Completed	P Watlamet
10/29	Train the Trainer-COPS	Scottsdale, AZ	Completed	P Watlamet
11-01	Property & Evidence Rm Mgmt	Billings, OR	Completed	T LameBull
11-03	Boating Safety Course	Hood River, OR	Completed	Frazier
11-03	Boating Safety Course	Hood River, OR	Completed	Hicks
11-03	Boating Safety Course	Hood River, OR	Completed	Jubitz
	Boating Safety Course	Hood River, OR	Completed	T LameBull
11-03	Boating Safety Course	Hood River, OR	Completed	McCrum
11-03	Boating Safety Course	Hood River, Or	Completed	Mendoza

11-03	Boating Safety Course	Hood River, OR	Completed	Tegner
11-07	Officer Survival	Seattle, WA	Completed	Hicks
	Officer Survival	Salem, OR	Completed	Jubitz
11-09	Officer Survival	Salem, Or	Completed	McCrum
11-09	Officer Survival	Salem, OR	Completed	Mendoza
11-09	Officer Survival	Salem, OR	Completed	Tegner
11-18	Int PowerPoint 2000 Windows	Portland, OR	Completed	Daniel
11-18	Int PowerPoint 2000 Windows	Portland, OR	Completed	C LameBull
11-30	Boating Safety Course	Hood River, OR	Completed	Ellingson
12/06 to 12/08	LE Peer Support Training	Pendleton, OR	Completed	T LameBull
12/12-13	Support Staff Training	Portland, OR	Completed	C LameBull

Appendix Table 4.2. Specific training activities of supervisors, officers and dispatchers during Quarter 1, 2001.

January:
Chief Johnson and Capt. Ekker attended the Public Safety Executive Training Seminar in Gleneden, OR on January 15-19.
Dispatchers Carol Daniel, Misty Green, and Admin. Supv. Lame Bull attended a Community Ed. Computer Maintenance class at the Stevenson High School on January 16th and 18th. Besides cleaning and maintenance of the CPU, they also learned various file maintenance programs.
Firearms qualifications and training was held on the 24th by Sgt. Lame Bull; all participating officers successfully passed.
February:
Sgt. Lame Bull attended the Officer Survival Contact Tactics - Off Duty Survival course in Pendleton, OR on February 5-6.
Sgt. Mitch Hicks completed his Supervisor training on February 9th; he attended the two-week course at the Police Academy in Monmouth, OR. This training was mandatory to meet the requirements of his promotion.
March:
Supervisors requested patrol input regarding their training needs and career plans, this included 3-6 short term goals to achieve this year and 3-6 long term goals to achieve in two years or more.
On March 9th, dispatch received training in LEDS and CRITFE procedures for handling warrants and locates through LEDS. The refresher training included handling critical incidents, (the recording of the Warm Springs boat going down was played), and the legal vulnerability of dispatch through liability and negligence issues.

Appendix Table 4.3. Specific training activities of supervisors, officers and dispatchers during Quarter 2, 2001.

April:
April 2-13 Officers Jubitz and McCrum attended the two week Marine Safety & Law Enforcement Academy in Warrenton, OR.
Officers Frazier, Ocheskey & Tegner attended the two and a half day training “Criminal Jurisdiction in Indian Country” which was hosted by Umatilla Tribal PD in Pendleton OR on April 17-19.
May:
Dispatchers Hatch, Deskin, Green, and Mackenzie attended one day LEDS training sessions in Portland on May 2nd and 10th respectively. They reviewed LEDS, NCIC, and NLETS links, Child abductions, CCH inquiries, misuse of LEDS system, Warrant responses, INS inquiries, Probation Officer notifications and LEDS on-site training.
June:
Admin Supv Lame Bull attended a two day Management/Leadership class in Beaverton on June 5-6 with CRITFC Staff.
Sgt. Hicks attended a 24 hour training course in “Marine Officer Survival and Tactics” hosted by the Bingham County SO in Blackfoot, ID on June 4-6.
CRITFE hosted a two day Boating Under the Influence (BUII) class on June 6-7, officers from local agencies also attended.
Dispatcher Deskin attended a week long Communications Officer class at the BIA academy in Artesia New Mexico on June 11-16. She was one of two who scored 100 % on the final tests.
On the June 18th, Dispatchers Hatch and Deskin attended a “Women’s Stress Reduction” class in Portland.
Officers Jubitz and Ellingson attended the 20 hour “BIA-Criminal Justice in Indian Country” class in Great Falls, MT, June 19-21.
Officers Ocheskey and Frazier attended a Government to Government training course “Cultural Diversity Training” presented by the Washington State Governor’s Office of Indian Affairs. The eight hour class was held at the Yakama Agency in Toppenish, WA on June 19th.