Appendix 12 Aqua	atic Habitat Assessments	1						
Plan Number	# of pages	Qualitative?	Aquatic Habitat Assessme Quantitative?	nts Speci Spatial?	fic to the Pilot Project Planning Watershed (Campbell Creek Planning Watershed) Other sources of information referenced	Notes		
1-15-107 MEN	28 pages - 7 pages of chart/diagrams, 8 pages of maps.	Yes, introduction, overview, methods (jubital, transition survey, salmond preserves the representative monitoring), results (same categories), discussion and conclusion. For stransition (Lisas (jit ransition)—. Go surveyors used qualitative observations of watercourse conditions such as habitat type, channel width, pool depth, vausibility of spanning greels and observed flow." (page 331)	Yes, primarily tables and charts. Values from the tables were referenced in the narrative. Once steelhead trout, two coho steelhead trout, two coho redds and seven steelhead redds per mille were recorded in Smith Creek,	Spawning and rearing habitat maps provided	Floxi, G., and F. L. Reynolds. 1998. California Salmonid Stream Habitat Restoration Manual. California Dept. of Fish and Game. Inland Fisheries Division. Sheep, D., and J. Ambroca. 2000. Evaluation of Stream Temperature Resed on Observations of Jovenile Coho Salmon in Northern California Streams. Georgia-Pacific West, Inc., Fort Bragg, California. Unpublished Report. National Mariner Fisheries Service. 1996. Making Endangered Species Act Determinations of Effect for Individual or Grouped Actions the Watershed Scales. National Marine Fisheries Service. Environmental and Technical Services Division. Habitat Conservation Branch. Wesh, H. G. Hodgoon, and B. Harvey. 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review, 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review, 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review, 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review, 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review, 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review, 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review, 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattolic Review.	All of the discussion of watercourses appears to be within the Campbell Creek Planning Watershed. However, page 239 states: "because a full report on Campbell Creek was incuded in the Simpon Luce Flay 260, only CS* Class All Surveys and a brief summary of the habitat downstream of unit 1 of the TIP will be included in the results section of this paper. Tage 231 modify the protocol. To accomplish our goal of sampling at teast 590 of the Local Class habitat, we perstematically selected stream reaches adjacent to the Dutchman West TIP. *Class I restorable habitat mapped and discussed.		
1-15-094 MEN	11 pages - 2 pages of text, 9 pages of maps (only 2 of the maps specific to Campbel Creek Planning Watershed)	Referred reader to the "South Fork Ten Mile Rever and Campbell Force Aquasite Habit Assement" (flound on pages 336-459 of THP 1 14-126 MRN) for a complete assessment.	From the 2012 CDFW South Fork Ten Mile River Stream inventory Report provided riffle, flatvater and pool mean widths and depths in feet in a table. Referrer creader to Addendum 1 of the "South Fork Ten Mile River and Campbell Creek Aquasit: Habitat Assemment" in The 1-13-12 MEN. Addendum 1 is the CDFW 2012 South Fork Ten Mile River Stream Inventory Report (for 106,178 feet of stream).	Spawning and rearing habitat maps provided (only 2 of the 8 maps were in the Campbell Creek Planning Watershed).	California Department of Fish and Widdle Stream inventory Report for the South Fork Ten Mile Biver, 2012 (available as Appendix in the the "South Fork Ten Mile Biver and Campbell Creek Aquatic Habitat Assessment" (pages 375-416 in TIP 9-14-120 MEN). The Aquatic Habitat Assessment from TIP 9-14-126 MEN (pages 336-459 in that plan). The California Salmonid Stream Restoration Manual.	Soudy area mapped in the THP includes Campbell Creek, Little Volley Creek AND Inglemook Creek Rearing Welercheds. Because of the seven (7) howes units Three were in the inglemook Creek Remining Westerheds, ower in the United Volley Creek Remining Westerheds and two were in the Clinic Volley Creek Remining Westerhed and two were in the Clinic Volley Creek Remining Westerhed and two vere in the Clinic Volley Creek Remining Westerhed the majority of the to page Aquatic Hobbits Assessment was specific to areas outside of the Pilot Project area.		
1-14-126 MEN	124 pages - 13 pages of text, 5 pages of figures, 17 pages of maps, 41 pages of CDPW 2012 SYSTEM INVENTOR PAGES 15 THE MAN T	Yes, both the plan submitter's document and the attached CDFW 2012 Stream Inventory Reports.	Summaries of data from the 2012 CDFW South Fork Ten Mile River and Campbell Creek Stream Inventory Reports supplemented with summaries from work the plan submitter performed.	Spawning and rearing habitat maps provided	CDPW 2012 Stream inventory Reports for South Fork Ten Mile River and Campbell Creek. Flost, G., and F. L. Reprolds. 1986. California Salmonid Stream Habitat Restoration Manual. California Dept. of Fish and Game. Inland Fisherisch Division. Hines, D., and J. Ambrose. 2000. Evaluation of Stream Temperatures Based on Observations of Juvenile Coho Salmon in Northern California Streams. Georgia-Pacific West, Inc., Fort Bragg, California. Unpublished Report. National Marine Fisheries Service. 1996. Making Endangered Species Act Determinations of Effect for Individual or Grouped Actions at the Watershed Scale. National Marine Fisheries Service. Environmental and Technical Services Division. National Commissions of Effect for Individual or Grouped Actions at the Watershed Scale. National Marine Fisheries Service. Environmental and Technical Services Division. National Commissions of Environmental and Technical Services Translations of Health Commissions. Proceedings of Pacific Marine Services. Proceedings of Pacific Marine Services. Services Division. National Commissions. Proceedings of Pacific Marine Services. S	Watershed Assessment Area is mapped, map included near front of Section N- Note: Assessment Area is the Campbell <u>2000</u> DUCAMENDA CENTER ASSESSMENT AREA IS A SECTION OF A SEC		
1-13-031 MEN	127 pages -16 pages of tent, 5 pages of feet, 5 pages of fegures, 25 pages of feet, 50 pages of feet, 50 pages of feet, 50 pages of feet (50 pages), 40 pages of feet feet, 50 pages of feet 5 milh Creek, 34 pages of 2012 Stream inventory Report fee Mill Creek (outside of Pilot Project area)	Yes, both the plan submitter's document and the attached CDFW 2012 Stream Inventory Reports.	Summaries of data from the 2012 CDFW Draft Smith Creek Stream Inventory Report (and the Mill Creek Stream Inventory Report outside of Pilot Project area) and assessment from THP 1-07-036 MEN.	Spawning and rearing habitat maps provided	CDFW 2012 Stream Inventory Reports for Smith Creek and Mill Creek (outside of Pilot Project area). Fibis, G., and F. L. Reynolds. 1986. California Salmonid Stream Habitat Restoration Manual. California Dept. of Fish and Game. Inland Fisherisc Division. Hines, D., and J. Ambrose. 2000. Evaluation of Stream Temperatures Based on Observations of Juvenile Coho Salmon in Northern California Streams. Georgis-Pacific West, Inc., Fort Bragg, California, Unspublished Report. National Marine Fisheries Service. 1996. Making Endangered Species Act Determinations of Effect for Individual or Grouped Actions at the Watershed Scale. National Marine Fisheries Service. Environmental and Technical Services Division. Habitat Concrevation Branch. Weish, H. G. Hodgoon, and B. Harvey. 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattols Rever, California US Forest Service. Southwest Research Station, Redwood Sciences Laboratory, Arrada, California 95521. American Journal of Fisheries Management 21: 464-4470, 2001.	Smith Creek in the Campbell Creek Planning Watershed and Mill Creek in the Mill Valley Creek Planning Watershed. 2012 CDFW Stream Struvey Reports mentioned. Goodloon (page 467-489): " Structural pool complexity and LWD loading were found to be less than ideal in both creeks, and LWD introduction was recommended in both CDFW 2012 Habitat Inventory Reports"		
1-10-033 MEN	14 pages - 6 pages of text, 4 pages of figures, 1 page map.	Yes	Yes	Map only identified Anadroous fish habitat (no spawning or rearing)	Floxi, G., and F. L. Reynolds. 1998. California Salmonid Stream Habitat Restoration Manual. California Dept. of Fish and Game. Infand Fisheries Division. Hines, D., and J. Ambrose. 2000. Evaluation of Stream Temperatures Based on Observations of Javenile Coho Salmon in Northern California Stream. Georgis-Pacific Week, Inc., For Bragg, California. Unpublished Report. National Marine Fisheries Service. 1996. Making Endangered Species Act Determinations of Effect For Individual or Grouped Actions at the Watershed Scale. National Marine Fisheries Service. Environmental and Technical Services Division. Habitato Conversation Branch. D.J. Marin, R.O. Curdwell, J. T. Oll, and S. Duke 2000. An analysis of the effects of temperature on salmonids in the Pacific Northwest with implications for selecting temperature criteria. Sustainable Ecosystems Institute, Portland Oregon. Weeh, N. G. Hodgon, and B. Harvey. 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattole Rever, California. US Forest Service, Southwest Research Sation, Redwood Sciences Laboratory, Arcata, California 95521. American Journal of Fisheries Management 21: 464-4470, 2001.	Assessment Area is the Campbell Creek AND Little Valley Creek Planning Watersheds.		
1-09-022 MEN	22 pages - 3 pages of text, no figures, 19 pages of maps	Yes, but mainly referenced Aquatic Habitat Assessments in ThiPs 1-08-015 MEN and 1-08-127 MEN (not in the Pilot Project Planning Watershed)	Not directly, referenced Aquatic Habitat Assessments in THPs 1-08- 015 MEN and 1-08-127 MEN (not in the Pilot Project Planning Watershed)	Spawning and rearing habitat maps provided (9 of the 17 maps were in the Campbell Creek Planning Watershed, others in Churchman Creek).	Referenced Aquatic Habitat Assessments in THPs 1 08 015 MEN and 1 08-127 MEN (not in the Pilos Project Planning Watershed)	Plan area is the Campbell <u>AND</u> Churchman Creek Planning Watersheds.		
1-08-015 MEN	32 pages - 10 pages of text, 4 pages of figures, 14 pages of maps.	Yes, introduction, overview, methods placed, trensition survey, submode presence, temperature monitoringl, results (same categories), discussion and conclusion.	Yes, primarly tables and charts. Values from the tables were referenced in the narrative.	Spawning and rearing habitat maps provided	Loop, Batter. 2009 Recommended Actions to Benefit. Scianno and Sterlhead. Adapted from California Schrami Hobitat Restoration Manual. California Dept of Fish and Game. July 2002 Review Draft. Flost, G., and F. I. Beynolds. 1998. California Salmonid Stream Habitat Restoration Manual. California Dept of Fish and Game. Inland Fisheries Division. Georgia Pacific. 1995. Nabitat Typing Report. Bald Hill Creek Watershed, North Fork Ten Mile River Basin. Georgia Pacific. 1895. Nabitat Typing Report. Bald Hill Creek Watershed, North Fork Ten Mile River Basin. Georgia Pacific. Restoration of Stream Temperatures Based on Observations of Juvenile Coopsig-Pacific New Line, 7 and 12, page	Assessment Area is the Campbell Creek Planning Watershed.		
1-07-036 MEN	37 pages - 12 pages text, 5 pages of figure, 37 maps (only about half for Campbell Creek Planning Watershed)	Yes, introduction, overview, methods (habbat, ransition survey, salmonid presence, temperature moninfring), esuits (same categories), discussion and conclusion.	Yes, primarily tables and charts. Values from the tables were referenced in the narrative.	Spawning and rearing habitat maps provided	Flox G, and F. L. Reprolds. 1998. California Salmonid Stream Habitat Restoration Manual. California Dept. of Fish and Game. Inland Fisheries Division. Game. Inland Fisheries Division. Nethero, D. and J. Ambrosc. 2000. Evaluation of Stream Temperatures Based on Observations of Juvenile Coho Salmon in Northern California Streams. Georgis-Pacific West, Inc., Fort Bragg, California. Unpublished Report. National Marine Fisheries Service. 1996. Making Endangered Species Act Determinations of Effect for Individual or Grouped Actions at the Watershed Scale. National Marine Fisheries Service. Environmental and Technical Services Division. Habitat Convention Branch. D.J. Martin, R.D. Carlowell, J.E. Toll, and S. Duke 2000. An analysis of the effects of temperature assimonis in the Pacific Northews with implications for selecting temperature criefras. Sustainable Ecosystems Institute, Portifical Origon. Webb, H., G. Hodgon, and B. Harvey. 2001. Distribution of Juvenile Coho Salmon in Belation to Water Temperatures in Tributaries of the Mattole Rover. California. US Forest Service, Southwest Research Station, Redwood Sciences Luboratory, Arcata, California 95521. American Journal of Fisheries Management 21: 464-4470, 2001.	Assessment Area is the Campbell Creek AND Mill Valley Creek Planning Watersheds, (Jubout half of the Aquatic Habitat Assessment was specific to areas outside of the Pilot Project area.)		

note: color is used to i	How much stream	me are in more than	one drainage and associa	ited with different surveys.								Stroom			Man				
Plan Number	was surveyed? And when?	Catchment area	Survey level	Are there previous surveys?	Were charts and/or graphs provided? Raw data?	Channel Type	Riffle	Flatwater	Number of pools surveyed	Pools	Dry	Channel Canopy	Pool Tailout Embeddedness	LWD	Mean Shelter Rating	Bank Stability	Salmonid Presence	Temperature	NOTES
1-15-107 MEN (Smith Creek)	1,059 feet of habitat of upper Smith Creek. March 2015	3,500 acres for the entire Smith Creek drainage.	Level II but with modified protocol	No, CDFW 2012 habitat inventory survey in Smith Creek was incomplete and did not extend into area adjacent to THP.	Yes, charts and graphs. No raw data.	F4, gravel dominated channel type, characterized by low gradient riffle/pool habitat.	Mean width 4 feet, Mean depth 0.2 feet, comprised 25% of total length.	Mean width 3.2 feet, Mean depth 0.2 feet, comprised 12% of total length.	13	Mean width 6.8 feet, Mean depth 1.0 feet, comprised 28% of total length. 8% max depth less than 1 foot, 77% between one and two feet and 15% between two and three feet, none over three feet.	4% of units were dry.	6% open, 87% conferous species and 7% broadleaf species	0% had Value 1, 31% were Value 2, 61% were Value 3 and 8% were Value 4, 0% were Value 5.	90 pieces of non- key LWD, 30 pieces of key LWD per 1000 feet.	74	83% of units had completely stable banks, 17% were considered unstable	One steelhead trout. 2 coho redds and 7 steelhead redds per mile prior to April 6th.	SFT41 data from 2006, 2008, 2009, 2010, MWAT 12. 1°C in 2010 to 14.9°C in 2006. Temperatures generally below 14.0°C in all monitoring years	
1-15-107 MEN (Unnamed Tributary A)	628 feet in unnamed Tributary A in Upper Campbell Creek. March 2015	200 acres	Level II but with modified protocol	No	Yes, charts and graphs. No raw data.	G4	Mean width 1.6 feet, Mean depth 0.1 feet, comprised 26% of total length.	Mean width 5.2 feet, Mean depth 0.6 feet, comprised 43% of total length.	9	Mean width 3.8 feet, Mean depth 0.3 feet, comprised 22% of total length. 89% max depth less than 1 foot, 11% between one and two feet, none over two feet.	40% of units were dry.	7% open, 93% coniferous species and 0% broadleaf species	0% had Value 1, 11% were Value 2, 56% were Value 3 and 33% were Value 4, 0% were Value 5.	35 pieces of non- key LWD, 19 pieces of key LWD per 1000 feet.	69	29% of units had completely stable banks, 71% were considered unstable	No fish.	No data provided.	950 feet of habitat were upgraded to Class I as a result of the survey.
1-15-107 MEN (Campbell Creek)	106,178 feet - the fishbearing reaches of Campbell Creek 2012	2,800 acres	Referenced THP 1-14- 126 MEN, with only a Class I/II survey conducted for this plan (Level II but with modified protocol).	Yes, CDFW 2012 habitat inventory survey in Campbell Creek, inclusive of the area adjacent to the THP. This data was analyzed in ±1.4-126 MEY's Aquatic Habitat Assessment - refer to that report for a complete aquatic assessment of the fish bearing reaches of Campbell Creek.	Referenced THP 1-14-126 MEN.	Referenced THP 1- 14-126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1-14- 126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1- 14-126 MEN.	Referenced THP 1- 14-126 MEN.	Referenced THP 1-14- 126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1-14- 126 MEN.	Referenced THP 1- 14-126 MEN.	Riscovable habitat, 800 feet upstream of Linnand Tributary & 8 foot waterfall coff singuished March above waterfall. 63% riffle, 9% fatwater, 14% pool and 14% given Execute 14% pool and 14% given Execute 14% pool and 14% given apply to 14% given apply
1-15-107 MEN (Class I Restorable habitat in upper Campbell Creek downstream of Unit HI	Not stated. March 2015	Not stated.	Level II but with modified protocol	No	No charts, graphs or raw data.	No data provided.	63%	9%	No data provided.	14%	14% of the units were dry.	No data provided.	No data provided.	No data provided.	No data provided.	No data provided.	No fish.	No data provided.	Because do not support fish an analysis of aquatic habitat not included.
1-15-094 MEN	None, referenced surveys summarized in other harvest plan.	Not stated.	N/A	CDFW 2012 South Fork Ten Mile River Stream Inventory Report (for 106,178 feet of stream). Copy found in THP 1-14-126 MEN.	No charts, graphs or raw data.	Referenced THP 1- 14-126 MEN.	Mean width 9.9 feet, Mean depth 0.3 feet, measured in every 10th unit.	Mean width 11.8 feet, Mean depth 0.5 feet, measured in every 10th unit.	No data provided.	Mean width 18.0 feet, Mean depth 1.0 feet, measured in every 10th unit.	Referenced THP 1-14- 126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1- 14-126 MEN.	Referenced THP 1- 14-126 MEN.	Referenced THP 1-14- 126 MEN.	Referenced THP 1-14-126 MEN.	Referenced THP 1-14- 126 MEN.	Referenced THP 1- 14-126 MEN.	Except for the riffle, flatwater and pool table this plan just directed the reader to the Aqualit Habitat Assessment from THP 1-14-126 MEN for further information.
1-14-126 MEN (South Fork Ten Mile River)	106,178 feet. CDFW-2012, plan submitter - since 1993 for aquatic vertebrate; 2012- 2014 spawner surveys; since 1994 temperature.;	25,000 acres (much of it in the Churchman Creek Planning, Watershed)	Not discussed.	The CDFW 2012 surveys.	Yes, charts and graphs. No raw data. No provided, the complete 41 gage 2012 CDFW Stream Inventory Report for South Fork Ten Mile River (as Addendum 1).	F4 Rosgen channel type, generally gravel dominant, low gradient, meandering riffle/pool habitats with moderate entrenchment.	Mean width 9.9 feet, Mean depth 0.3 feet, measured in every 10th unit, comprised 20.2% of total length.	Mean width 11.8 feet, Mean depth 0.5 feet, measured in every 10th unit, comprised 33.6% of total length.	608	Mean width 18.0 feet, Mean depth. 1.0 feet, measured in every 10th unit, comprised 45 Net 0 total length. 15 Mea depth less than 1 foot, 33% between one and two feet and 31% between two and three feet, 21% between three and 4 feet and 13% greater than 4 feet.	0.6% of units were dry	10.1% open, 30.0% conferous species and 59.9% broadleaf species	53.5% had Value 1, 45.4% were Value 2, 1.2% were Value 3 and 0% were Value 4 or 5.	The dominant cover type, measured in pools, was Large Woody Debris at 30.9%; 2007. 2008 there was a large scale LWD placement project in much of the South Fork Ten Mile River.	32	Not reported.	Steelhead trout and coho detected: 7.2 coho redds; and 1.0 steelhead redds; per mile in reach in 2012; 1.0 coho redds and 0.5 steelhead redds per mile in reach 1 in 2014; and 0.0 coho redds and 3.4 steelhead redds per mile in reach 2 in 2014. (Reaches don't appear to be mapped)	SFT3 and SFT26 data from 1994- 2005, 2007-2013; MWAT 12. 1°C at SFT26 in 2008 to 17.1°C at SFT3 in 1995 & 1997. Temperatures generally below 17.0°C in all monitoring years. SFT3 is in the Charchman Creek Planning	These values are not appropriate for the Pitot Project as it is confined to the Comphel Creek Planning Watershed and these numbers are for the length of the South Foot New Mich is primarily within the Churchman Creek Ranning Watershed, Most of these numbers were pulled out of the CDPW stream inventory apport and do not represent information not found in other data sources (existing CDPW Stream Surveys).
1-14-126 MEN (Campbell Creek)	25,700 feet. CDFW - 2012. Plan submitter - since 1993 electrofishing; 2012-2014 spawmer surveys; since 1994 temperature;	2,800 acres.	varied by what was being surveyed.	The CDFW 2012 surveys.	Yes, charts and graphs. No raw data. Nico provided, the complete 42 gag 2012 CDFW Stream Inventory Report for Campbell Creek (as Addendum 2).	F4 except a small section of C4 adjacent to unit D. Both are gravel dominant, low gradient, meandering riffle/pool habitats.	Mean width 8.7 feet, Mean depth 0.2 feet, measured in every 10th unit, comprised 24.1% of total length.	Mean width 5.9 feet, Mean depth 0.3 feet, measured in every 10th unit, comprised 27.9% of total length.	383	Mean width 9.7 feet, Mean depth 0.8 feet, measured in every 10th unit, comprised 37% of total length, 48 max depth less than 1 50x, 66% between not and two feet and 25% between two and three feet, 4% between two and 4 feet and -11% greater than 4 feet (one pool).	0.5% of units were dry	5.2% open, 47.9% conferous species and 46.9% broadleaf species	61.1% had Value 1, 31.9% were Value 2, 5.2% were Value 3, 0% were Value 4 and 1.8% were Value 5 (unsuitable for spawning).	The dominant cover type, measured in pools, was Large Woody Debris at 44.9%. 75 pieces of small category LWD and 9 pieces of large category LWD per thousand stream feet.	11	Not reported.	Steelhead trout and coho detected. 0.5 coho redds and 2.7 steelhead redds per mile in reach 3 in 2013. (Reaches don't appear to be mapped)	SFT2 data from 1994-2001, 2003, 2005, 2007-2013; MWAT 13.2°C in 2010 to 15.9°C at in 1997. Temparatures generally below 17.0°C in all monitoring years.	Most of these numbers were pulled out of the CDPW stream inventory report and do not represent information not found in other data sources (existing CDPW Stream Surveys).
1-13-031 MEN (just the part within Smith Creek)	20,073 feet. CDFW - 2012. Plan submitter- Electrofishing by plan submitter 1993-2011 in lower 5mith Creek. Spawner surveys 2011, 2012-2013 season. Temperature 1994-2003 at SFT1, 2006 and 2008-2010 at SFT41.	3,500 acres.	Level IV for the CDFW surveys.	* During the summer and fall of 2012, COPW conducted habitat inventory surveys in both Mill and Senth Creak, which were inclusive of the Mill and salpicent to the Plan." (page 483) Assessment of North Fork Smith Creek, not part COPW survey, for THP 1-07-036 MEN.	Yes, charts and graphs. No raw data. No provided, the complete \$4 page 2012 CDFW Draft Stram Insentory Report for Smith Croek.	In lower reaches of Smith Creek - F4, low gradient, well entrenched riffle/pool habitat. In upper reaches, 84, as gradient increases.	Mean width 8.6 feet, Mean depth 0.2 feet, measured in every 10th unit, comprised 13.8% of total length.	Mean width 8.5 feet, Mean depth 0.4 feet, measured in every 10th unit, comprised 36.9% of total length.	267	Mean width 11.7 feet, Mean depth, 0.7 feet, measured in every 10th unit, comprised 49.0% of total unit, comprised 49.0% of total rode, 59.8% between one and two feet feet, 4.9% mea depth of the feet feet, 4% between three and 4 feet and 1% greater than 4 feet.	No stated how many of the units were dry.	6.5% open, 40.3% conferous species and 53.1% broadleaf species	97.0% had Value 2, 3.0% were Value 3, none were Value 5 (unsuitable for spawning).	The dominant cover type, measured in pools, was Small Woody Debris at 33.4%. Large Woody Debris comprised 31.3%.	33	Not reported.	Steelhead of all ages detected, coho young of year observed up to 17,418 feet from confluence with South Fork Ten Mile Siver. No live spawners or redds: Sosterved in Middle Smith Creek reach adjacent to The IP in 2011. Partial results from 2013, one coho redd and no live spawners observed.	SFT1 data from 1994-2003; MWAT 12.9°C in 2009 and 2010 to 15.5°C at in 1997. SFT41 data; MWAT 12.1°C in 2010 to 4.9°C at in 2005. Temperatures below 15.0°C for more than 85% of the data points.	Approximately half of the report sex for MI Credit, which is good in the Campbell Credit Period (2014). The properties of the Campbell Credit Period (2014) for the Campbell Credit Period (2014) for the captures in maintainer Smith Credit, the last 1000 freet Capture Stretchafel (above moved 400 freet upstream in clutch A. (Strainage of approx. 180 cred). Close (11) captures in the Captures of th
1-10-033 MEN (just the part on the South Fork Ten Mile Biver within the Campbell Creek Planning Watershed)	1,035 feet (~30% of Class I stream adjacent to the Plan) October 2009	25,000 acres	Level II, but " Due to the length of stream requiring surveyingwe divided the segments into three reaches selected one in order to sample at least 30% of the total instream distance."	No, or none mentioned	Yes, charts and graphs. No raw data.	ES	Mean width 3.5 feet, Mean depth 0.2 feet, measured on 100% of units, comprised 10% of total length.	Mean width 8.0 feet, Mean depth 0.7 feet, measured on 100% of units, comprised 30% of total length.	6	Mean width 17.5 feet, Mean depth 1.8 feet, measured on 100% of units, comprised 100% of total length, 0% max depth less than 1 foot, 16% between one air two refer and 50% between two and three feet, 17% between three and 4 feet and 17% greater than 4 feet, 34% were considered to be primary pools	ON	2% open, 0% conferous species and 98% broadleaf species	83% had Value 1, 17% were Value 2, 0% were Value 3 or 4 and 0% were Value 5 (unsuitable for spawning).	17 pieces LWD greater than 20 feet long per 1,000 feet and 27 pieces of LWD less than 20 feet long per 1,000 feet.	178	10% of units had banks that were considered to be unstable.	Present - monitored site three miles or more upstream, both coho (intermittently) and steelihead.	SFT19 data from 2007-2009; MWAT 13.8°C in 2009 to 15.1°C at in 2007.	" Due to the length of stream requiring surveying on the South Fork Ten Mile River (popularities) 4,000 feet], we divided the segment of the Valley Gate The Costs Inhabitat into three reaches each measuring approximately 4,000 feet in length. We then systematically selected one of the survey reaches in order to aimple at least 30% of the tool instrumen distance." Part of this plan area is in a different Planning Valenched.
1-09-022 MEN (just the part that drains to Campbell Creek)	Just a reconnaissance survey (Class I/II transition) for two unnamed tributaries to Campbell Creek. 2008	88 and 60 acres	Reconnaissance to verify terminus of Class I habitat only.	Survey of Campbell Creek in 2007, plan refers reader to Aquatic Habitat Assessment in THP 1-08-015 MEN, not summarized in THP 1-09- 022 MEN.	No charts, graphs or raw data. (See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	Not stated: (See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek Info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08- 015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08- 015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	No evidence of salmonid presence observed. (See Aquatic Habitat Assessment in THP 1-08- 015 MEN for Campbell Creek info)	(See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)	Class (/II transitions moved 75 and 50 feet upstream in the two unnamed tributaries. (See Aquatic Habitat Assessment in THP 1-08-015 MEN for Campbell Creek info)
1-06-015 MEN (Campbell Creek)	4,500 feet of approximately 15,000 feet of Campbell Creek. April 2007	2,700 acres	Level II, but " Due to the length of stream cregoling, surveying we divided this segment into 10 reaches salected 2 to achieve our goal of sample silesst 30% of the total instream distance of the main stream distance and salected to some harvest units are not within the plan submitters property and therefore were not serveyed.	No, or none mentioned	Yes, charts and graphs. No raw data.	84, moderately entrenched predominantly gravel, characterized by a moderate gradient, dominant riffies and infrequently spaced pools.		Mean width 8.4 feet, Mean depth 0.5 feet, measured on 100% of units, comprised 34% of total length.		Molan width 9.2 feet, Mean depth. 0.7 feet, measured on 100% of units, comprised 25% of total seepig. 6.6 max depth less than 1 code, 69% between one and two feet of 25% between one and two feet of 25% between one and two	0%	86% closed with 38% conferous species and 48% broadleaf species.	3% had Value 1, 55% were Value 2, 35% were Value 2, 35% were Value 4 and 3% were Value 5 (unsuitable for spawning).	52 pieces of LWD per 1000 feet.	96	56% of units had completely stable banks, 44% that were at least partly unstable.	Steelhead detected (0.47 fish/meter*) in all 12 years of monitoring at SF12. Coho detected (0.20 fish per meter) in 1999-1997, 1999, 2002-2006.	SFT2 data from 1994-2007 (intermittent monitoring); MWAT 14.1°C; MOVID 15.9°C at in 1997.	The Case of transcriber was referenced and the State of t
1-07-036 MEN (Smith Creek)	2,000 feet. June 2006. Temperature and aquatic vertebrates monitored at SFTI intermittently since 1994.	3,224 acres	Level II, but " Due to the length of stream requiring surveyingwe divided this segment into reaches approximately 1,000 feet in length? survey reaches to attain our goal of sampling at least 30% of the total instream distance" (enly segments 5 and 6 on Smith Creek).	None mentioned other that temperature and aquatic vertebrate monitoring at SFT3 since 1994	Yes, charts and graphs. No raw data.	F3 riffle/pool dominated stream channels, entrenched, cobble dominated channel	Mean width 6.2 feet, Mean depth 0.2 feet, measured on 100% of units, comprised 22% of total length.	Mean width 7.9 feet, Mean depth 0.4 feet, measured on 100% of units, comprised 55% of total length.	13	Mean width 11.3 feet, Mean depth 1.0 feet, measured on 100% of units, comprised 23% of total seght 1.6% mak depth less than 1 foot, 38% between one and two feet, 46% between one and two feet, 46% between two and three feet, none greater than three feet.	09	96% closed with 22% conferous species and 74% broadleaf species	15% had Value 1, 54% had Value 2, 15% were Value 3, 15% possessed geometrible conditions that would make them unsuitable for spawning.	93 pieces of LWO per 1000 feet.	94	71% of units had completely stable banks, 29% that were at least partly unstable.	Steelhead (0.28 fish/meter ¹) detected in all years of monitoring at SFT. Coho detected (0.07 fish per meter ²) in 1995-1997, 2002, 2003 and-2005. Redds throughout survey reach in Smith Creek.	SFT1 data from 1994-2003; MWAT 14.0°C in 2001 to 15.1°C at in 2007.	More than half of this Aquatic Habitat Assessment was about MII Creek, becard in a different Planning Watershed and not summarized on the spreadcheet.
1-07-036 MEN (North Fork Smith Creek)	1,000 feet. June 2006. Temperature and aquatic vertebrates monitored at SFT1 intermittently since 1994.	3,224 acres (Entire Smith Creek drainage)	reaches to attain our	None mentioned other that temperature and aguatic varietized monitoring at ST13 since 1994 (ST13 is more than a mile downstream of the North Fork Smith Creek)	Yes, charts and graphs. No raw data.	Not specifically addressed, Smith Creek was F3.	feet, Mean	Mean width 4.8 feet, Mean depth 0.4 feet, measured on 100% of funits, comprised 49% of total length.	5	Mean width 5.5 feet, Mean depth 0.9 feet, measured on 100% of units, comprised 11% of total seight, 20% max depth less than 1 foot, GDN between one and two feet, 20% between two and three feet, no pool was greater than 3 feet.	6N	98% closed with 66% conferous species and 32% broadleaf species	20% had Value 2, 80% were Value 3.	36 pieces of LWD per 1000 feet.	48	48% of units had completely stable banks, 52% that were at least partly unstable.	Nothing specific for North Fork Smith Creek, see Smith Creek above.	Nothing specific for North Fork Smith Creek, see Smith Creek above.	More than half of this Aquatic Habitat Assistment was about Malf Creek Iscated in a different Planning Waterched and not summarized on the spreadsheet.