

Table 18. List of springs used as calibration targets (Class A and B).

Reach	Target	Status	Comments
Kimberly-to-Buhl	Devils Washbowl Spring (A)	Monitored by USGS	Data on USGS web site. USGS 13089500. IDWR procured equipment for real time data transmission.
Kimberly-to-Buhl	Devils Corral Spring (A)	Monitored by USGS.	Data on USGS web site. USGS 13089600
Buhl-to-Thousand Springs	Briggs Spring (A)	Monitored by USGS	Data on USGS web site. USGS 13095175. IDWR procured equipment for real time data transmission.
Buhl-to-Thousand Springs	Box Canyon Springs (A)	Monitored by USGS	Data on USGS web site. USGS 13095500. IDWR procured equipment for real time data transmission. Data scaled up for ESPAM2.0 target to account for downstream discharge.
Kimberly-to-Buhl	Crystal Springs Complex (B)		
	Crystal Springs Main (+)	Calculated from stage height using rating curves adopted by ESHMC	Stage height through 7/2010 from Brockway Engineering. Source of future stage data TBD. IDWR SiteID 36041033.
	Crystal Springs No. 2 (+)	Hatchery submits data to Water District 130	IDWR SiteID 306410034
	Crystal Springs No 3 (+)	Hatchery submits data to Water District 130	IDWR SiteID 360410035
	Crystal Springs No 4 (+)	Hatchery submits data to Water District 130	IDWR SiteID 360410036
	MVH (+)	Owned by USFWS, operated by IDFG, hatchery submits data to Water District 130	IDWR SiteID 360410061 Spilled directly to the Snake R. during cleaning/restocking (1-2 mos.) each spring and is not measured.
Devils Washbowl-to-Buhl	Niagara Springs Complex (B)		
	IPCO hatchery (+)	Data submitted to WD130.	IDWR SiteID 360410060. Owned by IPCo, operated by IDFG.
	Rimview hatchery (+)	Hatchery submits data to Water District 130	IDWR SiteID 360410059. Data represents total diversions. See Rimview Bypass diversion.

Table 18. List of springs used as calibration targets (Class A and B). (continued)

	Target	Status	Comments
Devils Washbowl-to-Buhl (cont.)	Niagara Springs Complex (B) - continued		
	Wildlife Management Area Pipe (+)	WMA submits data to Water District 130	WMIS # 410208; irrigation diversion operated by IDFG.
	Wildlife Management Area Ditch (+)	WMA submits data to Water District 130	IDWR SiteID 360410209; diversion for IDFG wetland.
	Rimview bypass diversion (-)	IPCO submits data to Water District 130.	Not recorded separately; subtracted from Rimview total diversions.
	Pugmire Park (+)	Data obtained from Water District 130	WMIS # 410212. Irrigated in summer; operated by IDPR.
	Idaho Power Company Park (+)	Data obtained from Water District 130	WMIS # 400237. Public park along Niagara Crk, summer irrigated; IDFG operates.
	Lower Falls Instream Flow (+)	Data obtained from Water District 130	Not a diversion. IDPR maintains, but flows reported by IPCO.
	5 cfs seepage allowance (+)	Data obtained from Water District 130	Not a diversion
	Kimberly-to-Buhl	Blue Lakes Spring Complex (B)	
City of Twin Falls Blue Lakes Pumping Plant (+)		Diversion monitored by IDWR, meter data collected by WD130.	2 pipes with COTF insertable flow meters. WMIS # 101620 (East Line), 1000545 (West Line) Before 2005, data combined in WMIS # 101620. USGS 13090998.
Silver Creek Farms Diversion (+)		Non-totalized data reported to Water District 130 from insertable flow meter.	WMIS 410029 (1995-2000). IDWR SiteID 360410029 (2001+) Diverted from Alpheus Cr and piped across Snake R.
Blue Lakes CC Diversion (+)		Data obtained from Water District 130 via a flow meter on pump	WMIS # 410204. Diverted from Alpheus Creek.

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	Target	Status	Comments
Kimberly – to-Buhl (cont.)	Blue Lakes Spring Complex (B) - continued		
	Blue Lakes Trout Diversion (+).	Data from Water District 130. Broad crested weir confirmed by rated section. See note.	IDWR SiteID 360410026 (East Inlet) and 360410027 (West Inlet, abandoned). Prior to 2001, records added for BLT total. After 2001, diversions combined in 360410026.
	Pristine Springs Fresh Water Diversion (+)	Orifice re-diversion above BLT hatchery. Data obtained from WD130. See note.	IDWR SiteID 360410028
Buhl-to- Thousand Springs	Clear Lakes Springs Complex (B)		
	CSF Clear Lake Farm (+)	Hatchery submits data to Water District 130	IDWR SiteID 360410030
	Clear Lakes Trout Co (+)	Hatchery submits data to Water District 130	IDWR SiteID 360410079
	CSF Snake River Farm (+)	Hatchery submits data to Water District 130	IDWR SiteID 360410031
Buhl-to- Thousand Springs	Sand Springs Creek (B)		
	Sand Springs Ranch/Nature Conservancy Diversions (+)	Irrigation diversions above rim and IPCo diversion; will be required to report to WD130.	IDWR SiteID 36041201 and SiteID 36041202.
	IPCO Sand Springs Diversion (+)	Monitored by IPCO and reported to WD130	IDWR SiteID 360410076. Flow is conveyed through a flume and wooden pipe to a main collection canal; used at Thousand Springs power plant. No power generated at this location.
Thousand Springs	Thousand Springs Power Plant Complex (B)		
	Thousand Springs Power Plant (+)	Monitored by IPCO. Reported to WD130.	WMIS # 410063 Flow based on power generation; includes diversions from Thousand Springs, Sand Springs, and Snowbank Springs

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	Target	Status	Comments
Thousand Springs (cont.)	Thousand Springs Power Plant Complex (B) – continued		
	Snowbank Springs Power Plant (0)	Monitored by IPCO. Reported to WD130.	WMIS # 410064 in Thousand Springs model cell. No power generated. Discharge pumped to head of collection canal for Thousand Springs power plant; no need to account separately.
	IPCO Sand Springs Diversion (-)	Monitored by IPCO and reported to WD130	IDWR SiteID 360410076. Flow is conveyed through a flume and wooden pipe to a main collection canal; used for power generation at Thousand Springs power plant.
Thousand Springs	National Fish Hatchery Complex (B)		
	Riley Creek (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410049
	Bickel Lake (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410024
	Main Spring (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410053 Includes springs 11-14.
	Springs 8 & 9 (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410052
	Spring 10 (Tunison) (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410050
	Spring 15 (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410057
	Spring 16 (Len Lewis) (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410025
	Spring 17 (+)	Monitored by USFWS, Reported to WD36A	IDWR SiteID 360410058

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Thousand Springs to Malad	Rangen Hatchery Complex (B)		
	Rangen Hatchery (+)	Hatchery monitors flows, reports to WD36A.	IDWR SiteID 360410089
	Candy Pipe (+)	Flows provided by consultant to Rangen Inc. Monitored by WD36A.	IDWR SiteID 360410038. Irrigation diversion
	Crandelmire Pipe (+)	Flows provided by consultant to Rangen Inc. Monitored by WD36A.	Irrigation diversion WMIS # 410039 for PCC data until 2007. see Candy comments above.
	Musser Pipe (+)	Flows provided by consultant to Rangen Inc. Monitored by WD36A.	Irrigation diversion WMIS # 410040 for PCC data until 2007. see Candy comments above.
	Rangen Pipe (+)	Flows provided by consultant to Rangen Inc. Reported to WD36A.	IDWR SiteID 360410041. Hatch house, domestic, and irrigation diversions, reported as non-totalized flows.
Thousand Springs-to-Malad	Three Springs, Weatherby Springs, Hoaglund Tunnel, and Spring Creek Spring (B)		
	Jones Hatchery (+)	Hatchery submits data to WD36A.	IDWR SiteID 360410067. Total diversions to hatchery. Sum of raceways and inflow from Three/Weatherby Pipe through 10/2006. Sum of discharge to Billingsley Creek, Bar S Ditch, and Jones Irrigation Pumps after 11/2006.
	Pipe from Three/Weatherby (+)	Water users submit data to WD36A.	IDWR SiteID 360410066. Includes diversions to hatchery and for irrigation/domestic.
	Hoaglund Tunnel Ditch (+)	Water users submit data to WD36A.	IDWR SiteID 360410069. Irrigation diversion.

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	Target	Status	Comments
Thousand Springs-to-Malad (cont.)	Three Springs, Weatherby Springs, Hoagland Tunnel, and Spring Creek Spring (B) - continued		
	Jones Hatchery inflow from Three/Weatherby Pipe (-)	Measured by Jones Hatchery through 10/2006. Estimated after 11/2006.	Included in both IDWR SiteID 360410066 and IDWR SiteID 360410067. Assumed monthly average after 11/2006.
	Undiverted flow from Lower Weatherby Spring (+)	Not measured regularly. IDWR miscellaneous measurements available in 1993 and 2009.	Total discharge observed to be approximately 3.5 cfs during IDWR site visits in 1993 and 2009. When pump is running, approximately 3 cfs is diverted to hatchery and is included in IDWR SiteID 360410067.
	Lee Hatchery (+)	Hatchery submits data to WD36A.	IDWR SiteID 360410072. Diversion from Spring Creek Spring.
	Musser Pump at Spring Creek (+)	Annual volume calculated from power records.	WMIS # 410037. Irrigation diversion.
	Spring Creek Spring Pipe (+)	Not measured regularly. IDWR miscellaneous measurement available for one date in 2004.	WMIS # 410074. Diversion for domestic and irrigation use in residential subdivision. Assumed 0.25 cfs average flow May-Oct and 0.1 cfs flow Nov-April
Malad	Malad River Reach Gains (B)		
	Malad River near Bliss (+)	Monitored by IPCO	Data on USGS and IPCO web sites. USGS 13153500
	Lwr Malad Power Canal nr Bliss (+)	Monitored by IPCO, reported to WD130	IDWR SiteID 370410107. Data on USGS and IPCO web sites. USGS 13152950.
	Malad River near Gooding (-)	Monitored by USGS	Data on USGS web site. USGS 13152500
	Justice Diversion (+)	Submitted to Watermaster for WD 37	Canal 40 Watermaster annual report.
	Thorp Diversion (+)	Submitted to Watermaster for WD 37	Canal 41 Watermaster annual report.

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	Target	Status	Comments
Malad (cont.)	Malad River Reach Gains B – continued		
	W Canal return flow (-)	Monitored by Northside Canal Co	Data submitted to IDWR Southern Regional Office annually.