

Table 1. Summary of data reported by date, sampling method, extent of sampling area, and analyses performed.

[PRB, permeable reactive barrier; No., number; --, sample type not collected; KV, KV Associates Macho well-point sampler; MHE, MHE Products PushPoint sampler; Piezos, 0.75-in-diameter pond-bottom piezometers; VMLS, vertical multilevel samplers; MLDC, multilevel diffusion chambers; HMPS, horizontal multipoint samplers; ICPAES, inductively coupled plasma atomic emission spectroscopy (Savoie and others, 2004); APD, alkaline persulfate digestion (Patton and Kryskalla, 2003); IEC, ion-exchange chromatography (Smith and others, 2005); DCM, diazotization colorimetric method (Antweiler and others, 1993); SHC, salicylate-hypochlorite colorimetric method; CRD, cadmium reduction-diazotization colorimetric method (Fishman, M.J., ed, 1993). DBK–NRP, Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, California; NWQL, U.S. Geological Survey National Water Quality Laboratory, Lakewood, Colorado; RLS–NRP, Richard L. Smith, U.S. Geological Survey, National Research Program, Boulder, Colo. Field parameters include specific conductance, dissolved oxygen, pH, and orthophosphate. Orthophosphate was determined onsite by using a colorimetric method and field spectrophotometer. Analyses for inorganic solutes include boron, manganese, and iron. Only iron was analyzed in 2009 and 2010 at selected sites. Pond stage measured on 8/4/04, 11/3/04, 7/20/05, 8/9/06, 7/13/07, 8/5/08, 7/21/09, and 7/13/10 was 43.90, 43.43, 45.38, 46.15, 45.75, 44.79, 45.87, and 46.84 feet above NGVD 1929, respectively]

Dates of sample collection	Tables containing data	Sampling methods	Extent of sampling area	No. of sampling points	Field parameters, field-measured, unfiltered sample	Orthophosphate, field-measured, unfiltered sample	Analyses									
							Phosphorus, lab-measured, filtered sample	Laboratory phosphorus method	Analyzing laboratory	Inorganic solutes	Laboratory inorganics method	Analyzing laboratory	Nitrogen species	Laboratory nitrogen method	Analyzing laboratory	
8/16/1999–10/5/1999	¹ Table 5	KV	Fishermans Cove to north of PRB	135	X	X	X	ICPAES	DBK–NRP		X	ICPAES	DBK–NRP	X	IEC, DCM	RLS–NRP
8/22/2001–9/13/2001	2	KV	Fishermans Cove to north of PRB	167	X	X	X	ICPAES	DBK–NRP		X	ICPAES	DBK–NRP	X	IEC, DCM	RLS–NRP
6/9/2003–6/26/2003	3	KV	Fishermans Cove to north of PRB	150	X	X	X	ICPAES	DBK–NRP		X	ICPAES	DBK–NRP	X	IEC, DCM	RLS–NRP
6/29/2004–7/2/2004	4	KV	PRB Area	120	X	X	--	--	--		--	--	--	X	IEC, DCM	RLS–NRP
8/2/2006–8/28/2006	5	KV, MHE	PRB Area	236	X	X	X	APD	NWQL		--	--	--	X	IEC, DCM	RLS–NRP
8/3/2009–8/12/2009	6	KV, MHE	PRB Area	150	X	X	X	APD	NWQL		--	--	--	X	DCM, SHC, CRD	NWQL
7/20/2004–8/4/2004	7, 10	KV, Piezos	PRB Area	62	X	X	X	APD	NWQL		--	--	--	X	DCM, SHC, CRD	NWQL
10/27/2004–11/3/2004	7, 8, 9, 10, 11	All PRB devices, Piezos	PRB Area	234	X	X	X	APD	NWQL		--	--	--	X	DCM, SHC, CRD	NWQL
4/20/2005	7, 8	VMLS, MLDC	PRB Area	51	X	X	X	APD	NWQL		--	--	--	X	DCM, SHC, CRD	NWQL
7/19/2005–7/22/2005	7, 8, 9, 10, 11	All PRB devices, Piezos	PRB Area	234	X	X	X	APD	NWQL		--	--	--	X	DCM, SHC, CRD	NWQL
11/10/2005	7, 8, 9	VMLS, MLDC, HMPS	PRB Area	174	X	X	--	--	--		--	--	--	--	--	--
7/31/2006–8/22/2006	7, 8, 9, 10, 11	All PRB devices, Piezos	PRB Area	234	X	X	X	APD	NWQL		--	--	--	X	DCM, SHC, CRD	NWQL
7/9/2007–7/17/2007	7, 8, 9, 10, 11	All PRB devices, Piezos	PRB Area	234	X	X	X	ICPAES	DBK–NRP		X	ICPAES	DBK–NRP	X	IEC, DCM	RLS–NRP
8/4/2008–8/8/2008	7, 8, 9, 10, 11	All PRB devices, Piezos	PRB Area	234	X	X	X	ICPAES	DBK–NRP		X	ICPAES	DBK–NRP	X	IEC, DCM	RLS–NRP
7/20/2009–7/24/2009	7, 8, 9, 10, 11	All PRB devices, Piezos	PRB Area	234	X	X	X	APD	NWQL		X	ICPAES	NWQL	X	DCM, SHC, CRD	NWQL
7/13/2010–8/3/2010	7, 8, 9, 10, 11	All PRB devices, Piezos	PRB Area	234	X	X	X	APD	NWQL		X	ICPAES	NWQL	X	DCM, SHC, CRD	NWQL

1. McCobb and others, 2003.