

**Database of selected structures on some Pennsylvania Canals.** Data mostly from inspections and Garmin GPS field readings by Gregory Sawyer, 717-303-1947, Mechanicsburg, PA. Coordinates in Decimal Degrees. Condition is subjective rating, 10=highest & 1=lowest. Watered-is structure normally wet or dry.

Canal	ID Structure	N. Latitude	W. Longitude	Type Struc.	Name	Condition	Elevation	Material	Location Description	Comments	Watered	Date Inspect	County
Eastern	EAAqueduct01	40.05538°	76.52698°	aqueduct	Chickies	5	243	stone cut	over Chickies Creek	piers and abutments	wet	2010-01-20	Lancaster
Eastern	EACulvertBainbridge	40.10590°	76.68375°	culvert		7	270	brick	S of Bainbridge Lock	2 layers brick; functions; 12 foot section collapsed	wet	2010-01-29	Lancaster
Eastern	EACulvertCollins	40.11966°	76.70810°	culvert		6	280	stone	near Collins Lock	collapsed arch; parallel to prism	dry	2010-01-20	Lancaster
Eastern	EACulvertScrabble	40.12102°	76.71066°	culvert		2	277	stone rough	.2 mile N of Collins Lock	totally collapsed; few stones	wet	2010-01-28	Lancaster
Eastern	EADam01	40.39805°	77.01107°	dam slack	Clarks Ferry	0	343		at Clarks Ferry bridge	gone; stone riffle in river	wet	2010-01-01	Dauphin
Eastern	EAFank1	40.04223°	76.51803°	towpath flank		2	240	stone rough	S of Chickies Rock	collapsed	dry	2010-01-29	Lancaster
Eastern	EAFank2	40.09986°	76.67764°	towpath flank		8	246	stone rough	near Bainbridge		dry	2010-01-29	Lancaster
Eastern	EAFank3	40.10086°	76.67851°	towpath flank		8	250	stone rough	near Bainbridge		dry	2010-01-29	Lancaster
Eastern	EAFank4	40.10327°	76.68084°	towpath flank		9	254	stone rough	near Bainbridge	excellent along river bank	dry	2010-01-29	Lancaster
Eastern	EALock01?	40.03398°	76.51171°	lock (guard)	Columbia	?	240		at Columbia outlet to river	guard lock; not inspected			Lancaster
Eastern	EALock02 (gone)	40.05496°	76.52669°	lock (lift)	Chickies	0	244		S of Chickies Creek	gone	dry	2010-01-29	Lancaster
Eastern	EALock04	40.10604°	76.68450°	lock (lift)	Bainbridge	7	265	stone cut	S of Prescott Rd access	cut stone and rubble; cabins near	dry	2010-01-29	Lancaster
Eastern	EALock05A	40.11945°	76.70771°	lock (lift)	Collins A	10	270	stone cut	off Rte 441 at Collins Rd, Falmouth ramp	restored; side-by-side double; high lift	dry	2010-01-20	Lancaster
Eastern	EALock05B	40.11956°	76.70765°	lock (lift)	Collins B	10	270	stone cut	off Rte 441 at Collins Rd, Falmouth ramp	restored; side-by-side double; high lift	dry	2010-01-20	Lancaster
Eastern	EALock06	40.12857°	76.71594°	lock (lift)	Scrabble	9	290	stone cut	3.4 mile N of Collins Rd along RR	end-to-end double; at Falmouth;	wet	2010-01-28	Lancaster
Eastern	EALock08	40.17768°	76.72483°	lock (lift)	Neff	10	300	stone cut	1 mile S of Middletown	restored; some metal	dry	2010-01-20	Dauphin
Eastern	EALock14	40.37561°	77.00458°	lock (lift)	Twin Taverns	7	318	stone cut	Beamer Rd x Towpath Rd	side by side double; adjacent boat basin	wet	2009-02-10	Dauphin
Eastern	EASQuarystone	40.12430°	76.71512°	quarry		7	282	diabase rock	S of Scrabble Lock, between RR/prism	diabase boulders cut for locks	dry	2010-01-28	Lancaster
Eastern	EASluiceBainbridge	40.10637°	76.68457°	sluiceway		4	268	stone rough	along Bainbridge Lock	parallels lock; shows construction; collapsed	dry	2010-01-29	Lancaster
Eastern	EAWasteweir1	40.10442°	76.68217°	waste weir		7	258	stone rough	S of Bainbridge Lock	in towpath; some timber; part collapsed	wet	2010-01-28	Lancaster
Eastern	EAWasteweir2	40.12176°	76.71209°	waste weir		7	278	stone cut	N of Collins Rock	in towpath; slotted stone; good example	wet	2010-01-28	Lancaster
Juniata	JUAqueductCocolamus	40.53709°	77.14601°	aqueduct	Cocolamus Crk2		395	stone	southside Cocolamus Creek	abutment	wet	2009-02-10	Perry
Juniata	JUAqueductDelaware	40.55548°	77.23377°	aqueduct	Delaware Crk	8	401	stone	Delaware Creek near Thompsontown	abutments; nice wing walls	wet	2009-03-13	Juniata
Juniata	JUAqueductDoe	40.53529°	77.35134°	aqueduct	Doe Creek	6	419	stone	Doe Creek near Mexico	abutment	wet	2009-12-18	Juniata
Juniata	JUAqueductJunction	40.42532°	77.01583°	aqueduct	Juniata	7	370	stone cut	Juniata River	some piers remain	wet	2009-02-24	Perry
Juniata	JUCulvert01	40.47306°	77.04059°	culvert		7	362	stone	S end game commission land	partial collapse; wood footings, metal spikes	wet	2009-02-24	Perry
Juniata	JUCulvert02	40.48382°	77.07909°	culvert		3	361	stone	N of Baileys	partial collapse; see construction	wet	2009-03-03	Perry
Juniata	JUCulvert03	40.47081°	77.10889°	culvert		?	391	stone	E of Newport	very small culvert near RR	dry	2009-02-24	Perry

Canal	ID Structure	N. Latitude	W. Longitude	Type Struc.	Name	Condition	Elevation	Material	Location Description	Comments	Watered	Date Inspect	County
Juniata	JUCulvert04	40.53552°	77.34709°	culvert		4	417	stone	E of Doe Creek	collapsed; still drains; some stones	wet	2009-12-18	Juniata
Juniata	JUCulvertIroquoisFalls	40.46900°	77.03440°	culvert	Iroquois Falls	7	365	stone	near Iroquois Falls	arch almost covered, riverside	dry	2009-02-24	Perry
Juniata	JUCulvertLoshRun	40.45655°	77.02894°	culvert	Losh Run	7	359	stone cut	Losh Run private road	large; riverside collapsing	wet	2009-02-24	Perry
Juniata	JUCulvertMuskratSpgs	40.53493°	77.30259°	culvert		5	402	stone	W of Muskrat Springs ramp	sides of culvert; prism gone	dry	2009-12-18	Juniata
Juniata	JUFlank1	40.53334°	77.30841°	towpath flank		9	384	stone	W of Muskrat Springs	excellent example	dry	2009-12-18	Juniata
Juniata	JUFlank2	40.53269°	77.34063°	towpath flank		7	423	stone	E of Mexico	well-stacked	dry	2009-12-18	Juniata
Juniata	JUFlank3	40.53338°	77.34155°	towpath flank		8	458	stone	E of Mexico	good example	dry	2009-12-18	Juniata
Juniata	JULock01	40.42500°	77.01503°	lock (lift)	Juniata junc	9	370	stone cut	E of Juniata River	nice wing walls; lockhouse foundation & well	dry	2009-02-24	Perry
Juniata	JULock02	40.46733°	77.03378°	lock (lift)	Bakers	2	421	rubble	near Iroquois Falls	rubble & timber; lockhouse foundation	dry	2009-02-24	Perry
Juniata	JULock04	40.52475°	77.14034°	lock (guard)	Slackwater	2	403	stone	W side of river at Rope Ferry area	few stones	wet	2009-03-03	Perry
Juniata	JULock05	40.52699°	77.13908°	lock (lift)	Rope Ferry 1	9	377	stone cut	behind 'Campbell & Sons' on River Rd	excellent, tandem locks; 'Rope Ferry'	dry	2009-02-10	Perry
Juniata	JULock06	40.52726°	77.13922°	lock (lift)	Rope Ferry 2	9	377	stone cut	behind 'Campbell & Sons' on River Rd	excellent, tandem locks; 'Rope Ferry'	dry	2009-02-10	Perry
Juniata	JULock09	40.53534°	77.35093°	lock (lift)	Mexico	0	406		creek at Mexico	gone	wet	2009-12-18	Juniata
Juniata	JULock13	40.60992°	77.44349°	lock (lift)	Foot Narrows	9	452	stone cut	at Foot of Narrows	restored; lockhouse nearby	dry	2010-01-10	Juniata
Juniata	JUQuarry1	40.53306°	77.34075°	quarry		8	464	rock	E of Mexico	quarry for canal stone inland side	dry	2009-12-18	Juniata
Juniata	JUWallRopeFerry	40.52554°	77.13969°	wall		8	381	stone	just S of Rope Ferry locks	retaining wall with arch	dry	2009-02-10	Perry
Pine Grove	PGLock01 (gone)	40.53885°	76.39028°	lock (lift)	Pine Grove t	0	500		at Rte 465 x Rte 443	gone	dry	2010-01-01	Schuykill
Pine Grove	PGLock02 (gone)	40.53155°	76.42616°	lock (lift)	E of I-81	0	490		E of I-81	gone; nothing found on inspection	dry	2012-02-29	Schuykill
Pine Grove	PGLock03	40.52780°	76.44830°	lock (lift)	Lock 3	5	483	stone cut	near abandoned RR bed	downstream right side intact; most stone gone	wet	2012-02-29	Schuykill
Pine Grove	PGLock04	40.52726°	76.45544°	lock (lift)	Lock 4	2	477	stone cut	near abandoned RR bed	only extreme downstream end intact	wet	2012-02-29	Schuykill
Pine Grove	PGLock05	40.52208°	76.48490°	lock (lift)	Small dam	9	470	stone cut	along Swatara Creek	canoe or hike in; brush was cut	dry	2010-04-01	Lebanon
Pine Grove	PGLock06	40.48367°	76.53422°	lock (lift)	Big Dam 1	7	462	stone cut	big dam reservoir site Swatara Gap	ends intact; middle collapsed; high lift	dry	2010-03-06	Lebanon
Pine Grove	PGLock07	40.48284°	76.53363°	lock (lift)	Big Dam 2	3	456	stone cut	Swatara Gap	most stone gone; much collapsed	dry	2010-03-06	Lebanon
Pine Grove	PGLock08	40.48227°	76.53315°	lock (lift)	Big Dam 3	3	448	stone cut	Swatara Gap	much stone gone; part collapsed; creek eroding	dry	2010-03-06	Lebanon
Pine Grove	PGLock09	40.48140°	76.53230°	lock (lift)	Big Dam 4	6	442	stone cut	Swatara Gap	upper end collapsed; brush was cut	dry	2010-03-06	Lebanon
Pine Grove	PGLock10?	40.47142°	76.51062°	lock (lift)		?	435	stone cut		not inspected			Lebanon
Pine Grove	PGLock11 (gone)	40.45927°	76.50458°	lock (lift)		0	429	stone cut	near weir	gone		2010-03-06	Lebanon
Pine Grove	PGWeir1	40.45914°	76.50518°	weir ?		8	432	stone cut	near Lickdale & Lock 11 location	low weir/dam	dry	2010-03-06	Lebanon
Susque&Tide	STAqueductKreutz	40.01932°	76.51935°	aqueduct	Kreutz Creek	2	223	stone	S of Wrightsville	few stones; walk in along river	dry	2010-01-12	York
Susque&Tide	STBasin	40.02521°	76.52630°	basin boats		5	231	water	E of Wrightsville	partial silted; signed	wet	2010-01-12	York
Susque&Tide	STBridge1	39.96591°	76.49001°	bridge abutment		6	215	stone	S of Calvary Church Rd	abutment riverside only	dry	2010-01-12	York
Susque&Tide	STBridge2	39.81311°	76.32485°	bridge abutment		7	131	stone	near Lock 12	2 abutments	dry	2010-01-13	York

Canal	ID Structure	N. Latitude	W. Longitude	Type Struc.	Name	Condition	Elevation	Material	Location Description	Comments	Watered	Date Inspect	County
Susque&Tide	STBridge3	39.87299°	76.38078°	bridge abutment		6	179	stone	near York Furnace boat ramp	abutment inland side only; partial silted	wet	2010-01-12	York
Susque&Tide	STGates	39.81442°	76.32896°	gates (lock)		8	156	wood metal	near Lock 12 in streambed	lock gates pair; with hardware; partial buried	wet	2009-03-18	York
Susque&Tide	STLock01	40.02551°	76.52643°	lock (guard)	Wrightsville	7	231	stone cut	Wrightsville bridge	nice wing wall; some metal	dry	2010-01-12	York
Susque&Tide	STLock07?	39.91084°	76.39033°	lock (lift)	Safe Harbor	?	188		just below Safe Harbor dam?	not inspected	dry		York
Susque&Tide	STLock08	39.90416°	76.38574°	lock (lift)	Shenks Ferry	6	181	stone cut	1/2 mile N of Shenks Ferry	partially silted; cabins; posted	dry	2010-01-12	York
Susque&Tide	STLock12	39.81490°	76.32961°	lock (lift)	Lock 12 PPL	10	148	stone/timber	PPL park, S of Rte 372	restored; double lock; metal in walls	dry	2009-03-18	York
Susque&Tide	STLock13	39.81243°	76.32377°	lock (lift)	Slab Tavern	9	139	stone/timber	PPL park, N of Rte 372	double lock; metal in walls; excellent	dry	2009-03-18	York
Susque&Tide	STLock15	39.80030°	76.30820°	lock (lift)	Lock 15 PPL	10	122	stone/timber	S of Rte 372 on trail	restored; double lock; metal in walls	dry	2009-03-23	York
Susque&Tide	STLock16?	39.78773°	76.29799°	lock (lift)			113			not inspected			York
Susque&Tide	TWGuard	39.61273°	76.14868°	lock (guard)	Deer Creek		26	stone cut		not inspected			Harford
Susque&Tide	TWLock06	39.65551°	76.17415°	lock (lift)	Deer Creek		26	stone cut		not inspected			Harford
Susque&Tide	TWLock08	39.59891°	76.12942°	lock (lift)	Port Deposit		15	stone cut	opposite Port Deposit	not inspected			Harford
Susque&Tide	TWLock09	39.55624°	76.09312°	lock (lift)	Havre Grace	10	5	stone cut	Havre de Grace	not inspected			Harford
Susquehanna	SUAqueduct09	40.64274°	76.94024°	aqueduct	Mahantango	8	366	stone cut	Mahantango Creek	abutments & piers	wet	2009-12-17	Juniata
Susquehanna	SUBridgeTowpath	40.44003°	76.99010°	bridge abutment		7	368	stone	near New Buffalo	towpath abutments at small stream	wet	2009-03-23	Perry
Susquehanna	SUCulvert	40.45954°	76.95695°	culvert		7	345	stone	near New Buffalo	mostly silted; wood cribbing, metal spikes, wall	dry	2009-03-09	Perry
Susquehanna	SULock02	40.41277°	77.01230°	lock (lift)	Raisiners	?	361	stone cut	Duncans Island	filled in?	dry	2010-01-01	Perry
Susquehanna	SULock09	40.64262°	76.94094°	lock (lift)	Mahantango	9	401	stone cut	W of Mahantango Creek	good	dry	2009-12-17	Juniata
Union East	UEL0ck04?	40.36358°	76.34179°	lock (lift)			475			not inspected			Lebanon
Union East	UEL0ck05?	40.36442°	76.33954°	lock (lift)			462			not inspected			Lebanon
Union East	UEL0ck06	40.36638°	76.33474°	lock (lift)	Ramona Road	8	472	stone cut	W of S. Ramona Rd	nice	wet	2012-02-03	Lebanon
Union East	UEL0ck07	40.36643°	76.32398°	lock (lift)			467	stone cut		not inspected			Lebanon
Union East	UEL0ck08	40.36792°	76.31847°	lock (lift)			460	stone cut		not inspected			Lebanon
Union East	UEL0ck09	40.36943°	76.31354°	lock (lift)			453			not inspected			Lebanon
Union East	UEL0ck10	40.36903°	76.30282°	lock (lift)			447			not inspected			Lebanon
Union East	UEL0ck11 (gone)	40.37155°	76.29694°	lock (lift)		0	441			gone			Lebanon
Union East	UEL0ck17?	40.37725°	76.23187°	lock (lift)			397			not inspected			Berks
Union East	UEL0ck26?	40.37999°	76.17542°	lock (lift)			348			not inspected			Berks
Union East	UEL0ck29?	40.39901°	76.17499°	lock (lift)			330			not inspected			Berks
Union East	UEL0ck47	40.36842°	76.00115°	lock (lift)			235			not inspected			Berks
Union East	UEL0ck48	40.36796°	75.98138°	lock (lift)			230			not inspected			Berks
Union East	UEL0ck49?	40.36363°	75.96752°	lock (lift)			225			not inspected			Berks

Canal	ID Structure	N. Latitude	W. Longitude	Type Struc.	Name	Condition	Elevation	Material	Location Description	Comments	Watered	Date Inspect	County
Union West	UWAqueduct culvert	40.35209°	76.47781°	aqueduct feed		8	488	brick culvert	Bill Christ property	buried, 8 foot section collapsed	dry	2012-01-25	Lebanon
Union West	UWAqueduct21	40.39066°	76.57194°	aqueduct		4	368	stone cut	N of Lock 21; over Swatara	north abutment excellent	wet	2010-03-06	Lebanon
Union West	UWAqueduct24	40.36668°	76.61467°	aqueduct		2	350	stone cut	tributary stream	few stones	wet	2010-03-10	Lebanon
Union West	UWCulvert	.37030°	76.60060°	culvert		4	341	stone rough	N of Lock 23	mostly collapsed; some timber; construction	wet	2010-01-27	Lebanon
Union West	UWDam slackwater	40.36661°	76.52243°	dam		0	405				wet	2012-01-25	Lebanon
Union West	UWFlank1	40.36450°	76.61573°	towpath flank		7	358	stone rough	adjacent to Swatara Creek		dry	2010-03-10	Dauphin
Union West	UWFlank2	40.32372°	76.64571°	towpath flank		7	340	stone rough	adjacent to Swatara Creek		dry	2010-03-10	Dauphin
Union West	UWFlank3	40.32134°	76.65870°	towpath flank		7	335	stone rough	adjacent to Swatara Creek		dry	2010-03-10	Dauphin
Union West	UWLock01	40.35102°	76.46740°	lock (lift)		9	494	stone cut	Sonny Baumgardner property	pond in prism above lock	wet	2012-01-25	Lebanon
Union West	UWLock02	40.35104°	76.47117°	lock (lift)		7	488	stone cut	E of abandoned RR	access from abandoned RR	wet	2012-01-25	Lebanon
Union West	UWLock03	40.35186°	76.47468°	lock (lift)		6	483	stone cut	Bill Christ property,	behind house	wet	2012-01-25	Lebanon
Union West	UWLock04	40.35304°	76.47750°	lock (lift)		7	477	stone cut	Bill Christ property	silted	wet	2012-01-25	Lebanon
Union West	UWLock05	40.35607°	76.48163°	lock (lift)		3	472	stone cut	under Long Lane	west end only intact	wet	2012-01-25	Lebanon
Union West	UWLock06	40.35888°	76.48416°	lock (lift)		7	467	stone cut	near driveway & Mr. Koch house		wet	2012-01-25	Lebanon
Union West	UWLock07	40.35915°	76.48652°	lock (lift)		4	461	stone cut	W of driveway & Mr. Koch house		wet	2012-01-25	Lebanon
Union West	UWLock08	40.36140°	76.48836°	lock (lift)		8	456	stone cut	S of Emma Rd in fenced pasture		wet	2012-01-25	Lebanon
Union West	UWLock09	40.36330°	76.48966°	lock (lift)		5	450	stone cut	walk in from Russell Road	hike in	wet	2012-03-06	Lebanon
Union West	UWLock10	40.36463°	76.49136°	lock (lift)		7	445	stone cut	Refuse Authority land; E of Russell Rd	hike in	wet	2012-01-28	Lebanon
Union West	UWLock11	40.36509°	76.49404°	lock (lift)		8	440	stone cut	Refuse Authority land	hike in	wet	2012-01-28	Lebanon
Union West	UWLock12	40.36485°	76.49736°	lock (lift)		4	434	stone cut	Jeanette Kittinger property	parked at barn	wet	2012-01-28	Lebanon
Union West	UWLock13 (gone)	40.36406°	76.50050°	lock (lift)		0	429	stone cut	W from Kittinger property	gone	wet	2012-01-28	Lebanon
Union West	UWLock14	40.36434°	76.50448°	lock (lift)		?	423	stone cut		not inspected	wet		Lebanon
Union West	UWLock15	40.36451°	76.50655°	lock (lift)		6	418	stone cut		access denied; houses and junk	wet	2012-01-28	Lebanon
Union West	UWLock16	40.36529°	76.50857°	lock (lift)		2	413	stone cut	Gingrich property	badly eroded	wet	2012-01-28	Lebanon
Union West	UWLock17 (gone)	40.36607°	76.52646°	lock (lift)		0	404	stone cut		not inspected	wet		Lebanon
Union West	UWLock18 (gone)	40.36589°	76.52787°	lock (lift)		0	396	stone cut		not inspected	wet		Lebanon
Union West	UWLock19	40.36607°	76.53094°	lock (lift)		8	388	stone cut	end of Towpath Rd	houses and junk near	wet	2010-01-27	Lebanon
Union West	UWLock20	40.38641°	76.55194°	lock (lift)		7	382	stone cut	Brightbill farm along creek;	nice setting	wet	2009-01-01	Lebanon
Union West	UWLock21	40.38985°	76.57280°	lock (lift)		6	376	stone cut		visible from road; on farm	wet	2010-03-06	Lebanon
Union West	UWLock22	40.36596°	76.58993°	lock (lift)		9	371	stone cut	pig farm	nice; briars; access from creek walkin only; not posted	wet	2010-03-10	Lebanon
Union West	UWLock23	40.37033°	76.60131°	lock (lift)		7	365	stone cut	close to road	land posted	dry	2010-03-10	Lebanon
Union West	UWLock24	40.37045°	76.60419°	lock (lift)		6	359	stone cut	close to road	land posted	dry	2010-03-10	Lebanon

<u>Canal</u>	<u>ID Structure</u>	<u>N. Latitude</u>	<u>W. Longitude</u>	<u>Type Struc.</u>	<u>Name</u>	<u>Condition</u>	<u>Elevation</u>	<u>Material</u>	<u>Location Description</u>	<u>Comments</u>	<u>Watered</u>	<u>Date Inspect</u>	<u>County</u>
Union West	UWLock25 (gone)	40.35984°	76.61384°	lock (lift)		0	353	stone cut		gone; rock quarry nearby with few stones	dry	2010-03-10	Lebanon
Union West	UWLock26? (gone)			lock (lift)			348			gone?; could not find; heavily silted area	dry		Dauphin
Union West	UWLock27?			lock (lift)			343			not inspected			Dauphin
Union West	UWLock31	40.26598°	76.72993°	lock (lift)		8	322	stone cut		nice; some metal; apts nearby; does not flood	dry	2010-01-27	Dauphin
Union West	UWLock32	40.25377°	76.73824°	lock (lift)		5	316	stone cut		heavily silted; w/ foundation & arch cellar	dry	2010-01-27	Dauphin
Union West	UWLock33	40.24936°	76.72071°	lock (lift)		5	310	stone cut		1/2 silted; beside RR	dry	2010-08-06	Dauphin
Union West	UWLock34	40.22095°	76.72721°	lock (lift)		1	302	stone cut	N of Middletown	very few scattered stones near small run & RR	dry	2010-01-27	Dauphin
Union West	UWPortalEast	40.34895°	76.46071°	tunnel portal		10	496	stone cut	Lebanon Union Tunnel Park	restored with boat tours	wet	2010-01-27	Lebanon
Union West	UWPortalWest	40.35047°	76.46205°	tunnel portal		10	496	stone cut	Lebanon Union Tunnel Park	restored with boat tours	wet	2012-01-27	Lebanon
Wiconisco	WIAqueduct	40.48336°	76.93301°	aqueduct	Armstrong Cr	8	354	stone cut	N side Armstrong Creek	abutments and pier ruins	wet	2009-02-10	Dauphin
Wiconisco	WIBasin	40.53431°	76.96611°	basin	Millersburg	8	380	water	near Millersburg in park	boat basin; good towpath	wet	2009-02-10	Dauphin
Wiconisco	WICulvert	40.46183°	76.93809°	culvert		6	384	stone cut	S of Halifax	small arch riverside; heavily silted	dry	2009-02-10	Dauphin