

AN ILLUSTRATED KEY TO THE POLYGONACEAE OF ALBERTA

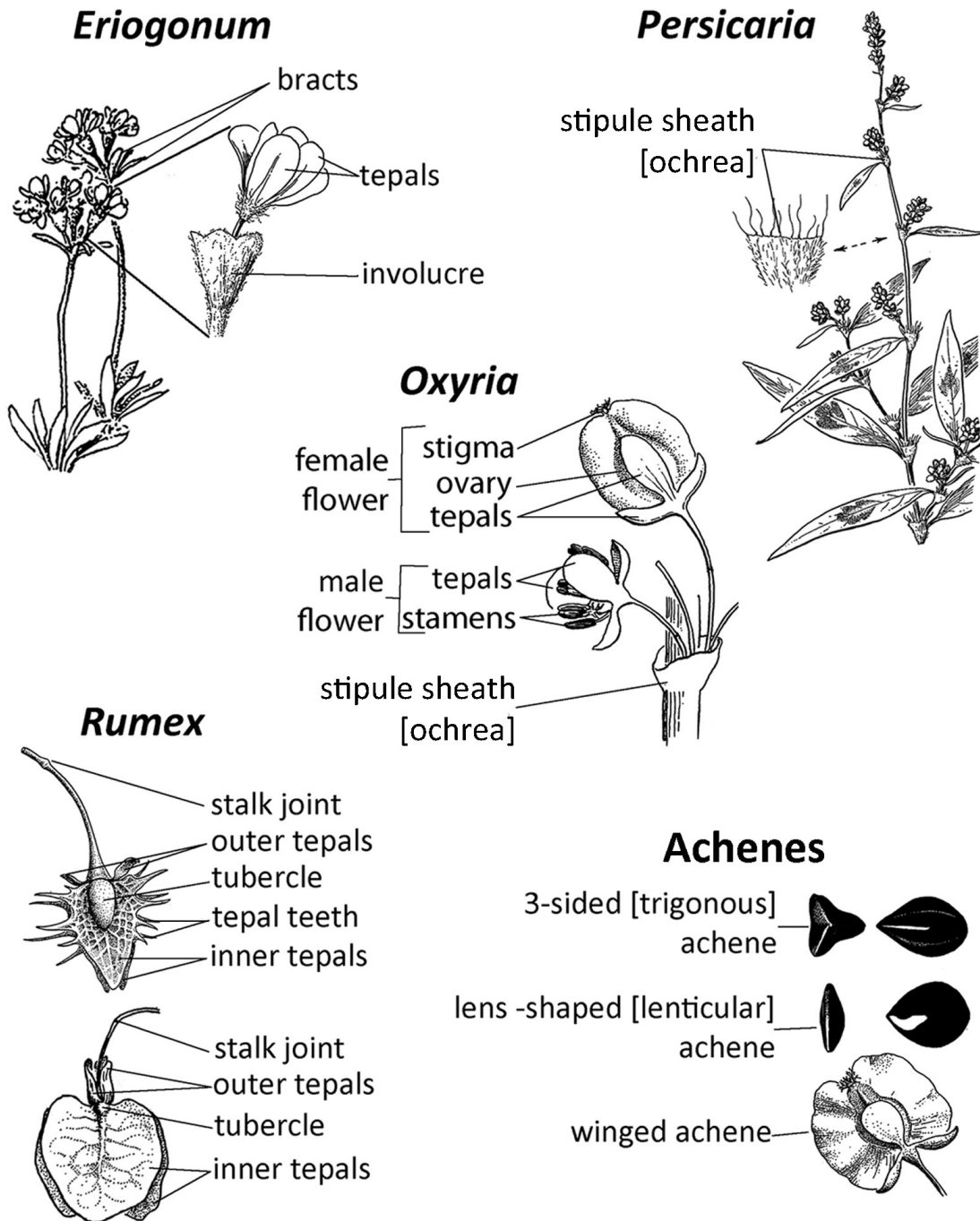
**Compiled and written by
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April 2019

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This key was compiled using information primarily from Moss (1983), Douglas et. al. (1999) and the Flora North America Association (2005). Taxonomy follows VAS-CAN (Brouillet, 2015). The main references are listed at the end of the key. Please let us know if there are ways in which the key can be improved.

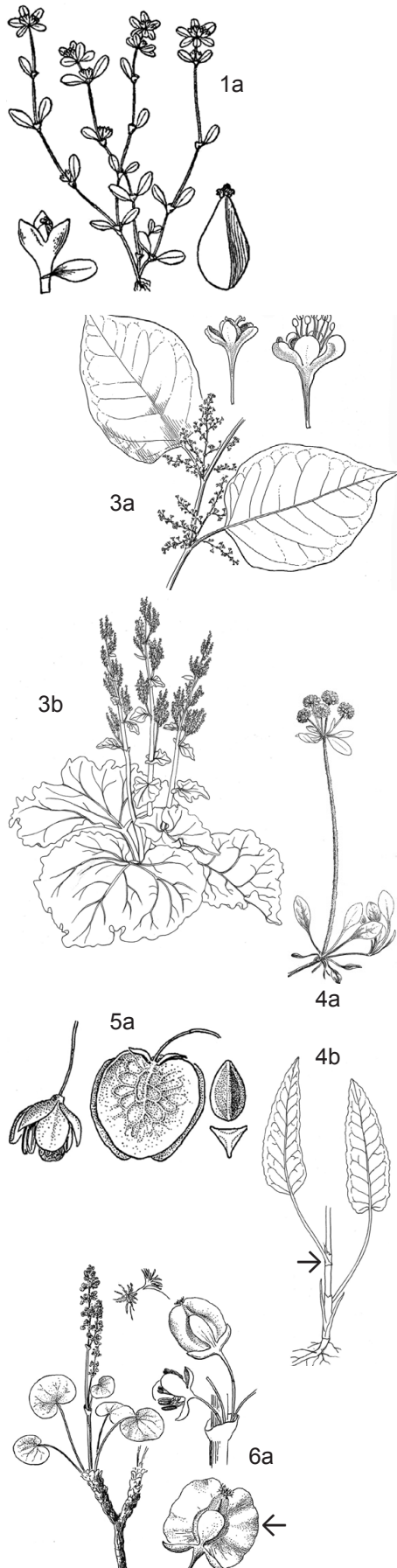
The 2015 S-ranks of rare species (S1; S1S2; S2; S2S3; SU, according to ACIMS, 2015) are noted in superscript (^{S1;S2;SU}) after the species names. For more details go to the ACIMS web site. Similarly, exotic species are followed by a superscript X, XX if noxious and XXX if prohibited noxious (^{X;XX;XXX}) according to the Alberta Weed Control Act (2016).



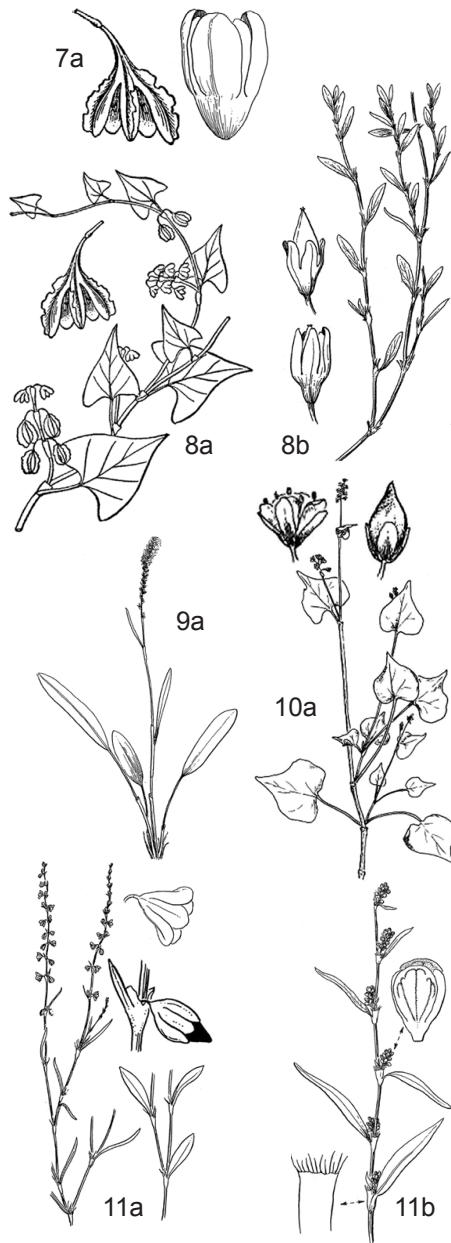
POLYGONACEAE

Buckwheat Family

Key to Genera

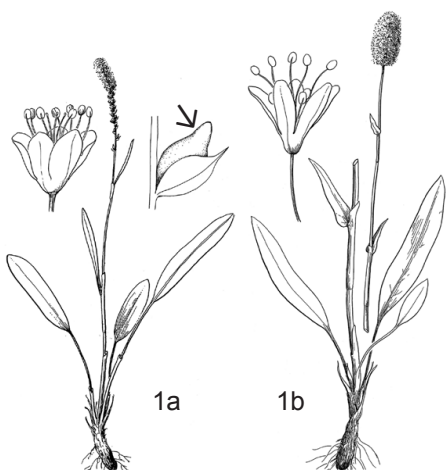


- 01a** Dwarf annual plants 1-4(10) cm tall; leaves paired or nearly so; tepals 3(4); stamens (1)3(5) *Koenigia islandica*^{S2}
- 01b** Plants not as above; tepals 4-5; stamens 3-8 **02**
- 02a** Plants large, exotic, perennial herbs spreading by creeping rootstocks; flowering stems erect, hollow, 0.5-2(3) m tall; flowers with both ♂ and ♀ parts **03**
- 02b** Plants smaller, native or exotic, perennial or annual herbs, with or without creeping rootstocks; flowering stems usually <1 m tall; flowers either ♂ or ♀ (unisexual) or with both ♂ and ♀ parts **04**
- 03a** Flowering stems forming dense colonies and with distinct joints (like bamboo stems), profusely branched, green with red/purple speckles; leaves alternate, in a zig-zag pattern on the stem, 5-15 × 2-10 cm, egg-shaped, with wedge-shaped to squared bases and abruptly sharp, stiff-pointed tips; leaf stalks 1-3 cm long, not fleshy . . . *Reynoutria japonica*^{xxx}
[*Fallopia japonica*; *Polygonum cuspidatum*]
- 03b** Flowering stems 1-few per plant, sparingly branched near the top, often striped or suffused with red or pink; leaves mostly basal, leaf blades large, dark-green, heart-shaped to egg-shaped in outline to nearly circular or kidney-shaped, usually >15 cm long (up to 60 cm across) with wavy edges; leaf stalks large (often 30-50 cm long and ≥2 cm thick), fleshy, green to red *Rheum rhabbarum*^x
- 04a** Leaves without stipules sheathing the stem; flower clusters with a whorl of leafy to scale-like bracts at base; stamens 9 . . *Eriogonum*
- 04b** Leaves with stipules that encircle/sheath the stem (→) (ocreae); flower clusters without a whorl of bracts; stamens ≤8 **05**
- 05a** Tepals 6; stamens 6, achenes not winged; inner tepals usually enlarged in fruit . . *Rumex*
- 05b** Tepals 4-5, stamens 3-8; achenes with or without wings; inner tepals rarely enlarged in fruit (enlarged in some *Polygonum* or *Persicaria* species) **06**
- 06a** Tepals 4, the inner 2 erect and the outer 2 bent back in fruit; achenes lens-shaped, broadly winged (→); leaves basal (0-1 on the stem), round to kidney-shaped *Oxyria digyna*
- 06b** Tepals 4-5; achenes unwinged or essentially so; leaves mainly on the stem (mostly basal in *Bistorta*), variously shaped but not round to kidney-shaped **07**

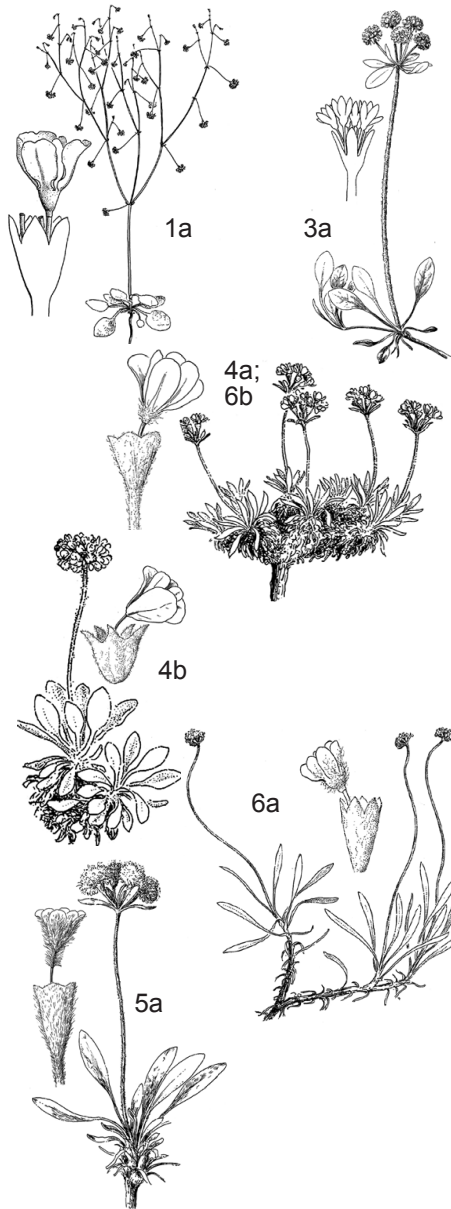


- 07a** Outer tepals winged or keeled **08**
07b Outer tepals neither winged nor keeled . . . **09**
- 08a** Stems twining or sprawling; leaves heart-shaped; outer tepals winged (usually keeled in *F. convolvulus*); stipule sheaths (ocreae) papery and thin but not transparent, tan to brownish, with or without hairs, never 2-lobed near the tip . . **Fallopia [Polygonum, in part]**
08b Stems mostly erect, angled upwards, not twining; leaves rarely heart-shaped; outer tepals keeled; stipule sheaths often nearly transparent, silvery, hairless, 2-lobed near the tip **Polygonum (in part)**
- 09a** Leaves mostly basal, oblong; flower clusters at stem tips, spike-like; stems unbranched. **Bistorta [Polygonum, in part]**
09b Leaves mostly on the stem, variously shaped; flower clusters at stem tips and in leaf/branch axils (sometimes only in axils); stems branched (rarely unbranched) **10**
- 10a** Tepals not fused; achenes clearly extending beyond the tepals; inner tepals not enlarged with fruiting **Fagopyrum**
10b Tepals fused for up to 2/3 of their length; achenes extending beyond the tepals or not; inner tepals enlarged with fruiting or not. . . **11**
- 11a** Stipule sheaths (ocreae) often nearly transparent, silvery, hairless, 2-lobed near the tip, often disintegrating into fibers or completely with age; tepals 5, fused 3-70% of their length; stamens 3-8 **Polygonum (in part)**
11b Stipule sheaths papery and thin but not transparent, usually tan, brown, or reddish (rarely silvery), hairy or not, never 2-lobed near the tip, often tearing with age; tepals 4-5, fused 25-66% of their length; stamens 5-8. **Persicaria [Polygonum, in part]**

BISTORTA Bistort



- 01a** Flower clusters narrowly elongate-cylindric, (15)20-90 × 4-10 mm, usually well over 3x as long as wide; lower flowers usually replaced by a pear-shaped, pink, purple or brown bulblet (→); achenes dull, granular, dark brown, rarely produced. **Bistorta vivipara**
. **[Polygonum viviparum]**
- 01b** Flower clusters short-cylindric to egg-shaped, 10-70 × 8-25 mm, rarely over 3x as long as wide; bulblets absent; achenes shiny, smooth, yellowish- or olive-brown, common. **Bistorta bistortoides** ^{S2}
. **[Polygonum bistortoides]**



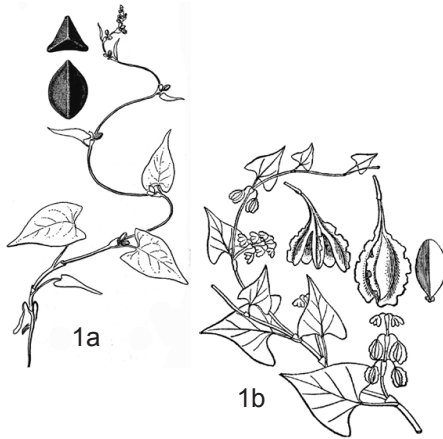
ERIOGONUM Umbrella-plant

- 01a** Plants annual, with diffuse, slender branches; flowers in head-like clusters on slender stalks that bend sharply back/down; rare in seAB grasslands, often on sand. *Eriogonum cernuum*
- 01b** Plants perennial; stems and flowers not as above; flowers in ± dense, umbrella-shaped clusters (umbels); mainly mountain species (*E. flavum* in mountains and grasslands) **02**
- 02a** Tepals abruptly narrowed and stalked at the base; bracts at the base of the flower cluster leafy **03**
- 02b** Tepals neither abruptly narrowed nor stalked at the base; bracts at the base of the flower cluster usually scale-like. **05**
- 03a** Involucre lobes $\geq 1/2$ as long as the tube, usually bent back or spreading. *Eriogonum umbellatum*
- 03b** Involucre lobes usually $< 1/2$ as long as the tube, erect. **04**
- 04a** Leaves 1-2 cm long; flower clusters branched once; tepals woolly-hairy near the base *Eriogonum androsaceum* (in part)
- 04b** Leaves 3-7(9) cm long; flower clusters branched twice; tepals soft-hairy throughout *Eriogonum flavum*
- 05a** Outer tepals up to twice as wide as the inner ones *Eriogonum ovalifolium*
- 05b** Outer tepals similar to the inner ones **06**
- 06a** Flowering stems leafy near the base; leaves (2)3-7(9) cm long; tepals whitish-brown to rose coloured; rare in AB, known from Banff NP *Eriogonum pauciflorum* ^{S1}
- 06b** Flowering stems leafless; leaves usually (0.5)1-2 cm long; tepals pale yellow, usually tinged with pink; widespread mountain species . *Eriogonum androsaceum* (in part)



FAGOPYRUM Buckwheat

- 01a** Achene faces and angles smooth; tepals (2.5)3-5 mm; tepals creamy white to pale pink, (2.5)3-5 mm long; flower clusters 1-4 cm long, at stem tips and in leaf/branch axils *Fagopyrum esculentum* ^x
- 01b** Achene faces irregularly wrinkled, angles often curved, wavy or toothed; tepals green with whitish margins, 1.5-3 mm long; flower clusters 2-10 cm long, in leaf/branch axils *Fagopyrum tataricum* ^x



FALLOPIA False-buckwheat

- 01a** Plants annual; achenes dull, granular with tiny, wart-like bumps; fruiting tepals hairless or with blunt, nearly transparent hairs, wings rarely present, 0.4-0.9 mm wide.
 ***Fallopiia convolvulus***^x
 [***Polygonum convolvulus***]
- 01b** Plants perennial; achenes smooth, shiny; fruiting tepals hairless, with (0.7)1.5-2.1 mm wide wings extending down the stalk, their edges wavy or crinkled (rarely flat) and variously lobed/torn (rarely smooth).
Fallopiia scandens^x [***Polygonum scandens***]



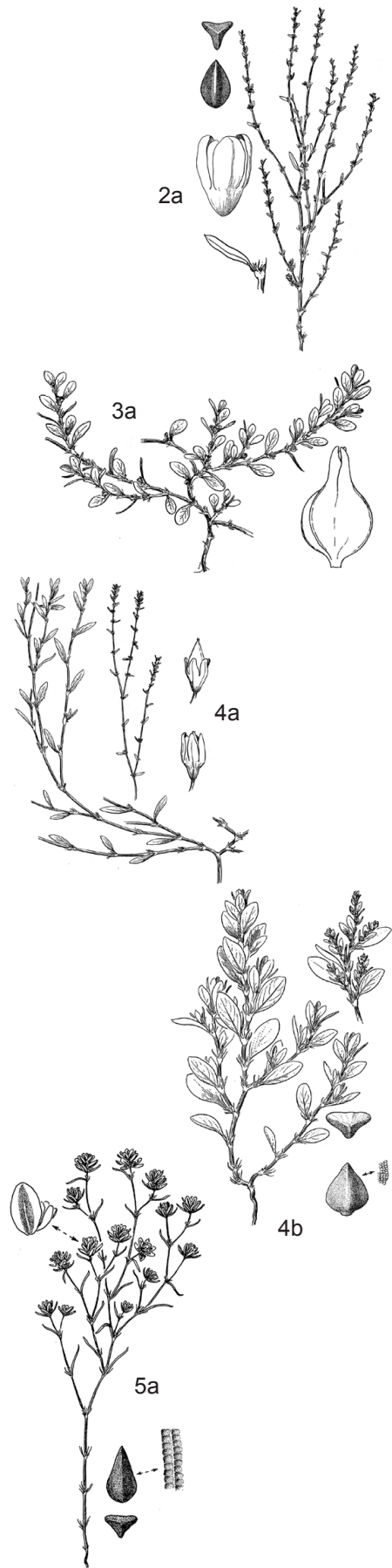
PERSICARIA Smartweed

- 01a** Plants perennial, often aquatic; flower clusters elongating, spike-like racemes, 1-2 at stem tips; tepals pink to red.
 [***Polygonum amphibium***;
 ***Polygonum coccineum***]
- 01b** Plants annual, terrestrial, but often in wetlands; flower clusters spikes, usually several at stem tips and in leaf/branch axils; tepals white or greenish to pink or red **02**
- 02a** Tepals dotted with stalkless glands. **03**
- 02b** Tepals not dotted with stalkless glands. **04**
- 03a** Achenes dull, rough with tiny glands, lens-shaped or 3-angled; tepals without prominent anchor-shaped veins ***Persicaria hydropiper***^x
 [***Polygonum hydropiper***]
- 03b** Achenes shiny and smooth, usually lens-shaped; tepals with prominent anchor-shaped veins (→) ***Persicaria lapathifolia*** (in part)
 [***Polygonum lapathifolium***]
- 04a** Stipule sheaths with coarse bristles; main flower stalks without glands; outer tepals without anchor-shaped veins; achenes lens shaped and 3-sided ***Persicaria maculosa***^x
 [***Polygonum persicaria***]
- 04b** Stipule sheaths smooth or with tiny bristles; main flower stalks glandular; outer tepals with anchor-shaped veins (→); achenes lens shaped (rarely 3-sided).
 ***Persicaria lapathifolia*** (in part)
 [***Polygonum lapathifolium***]

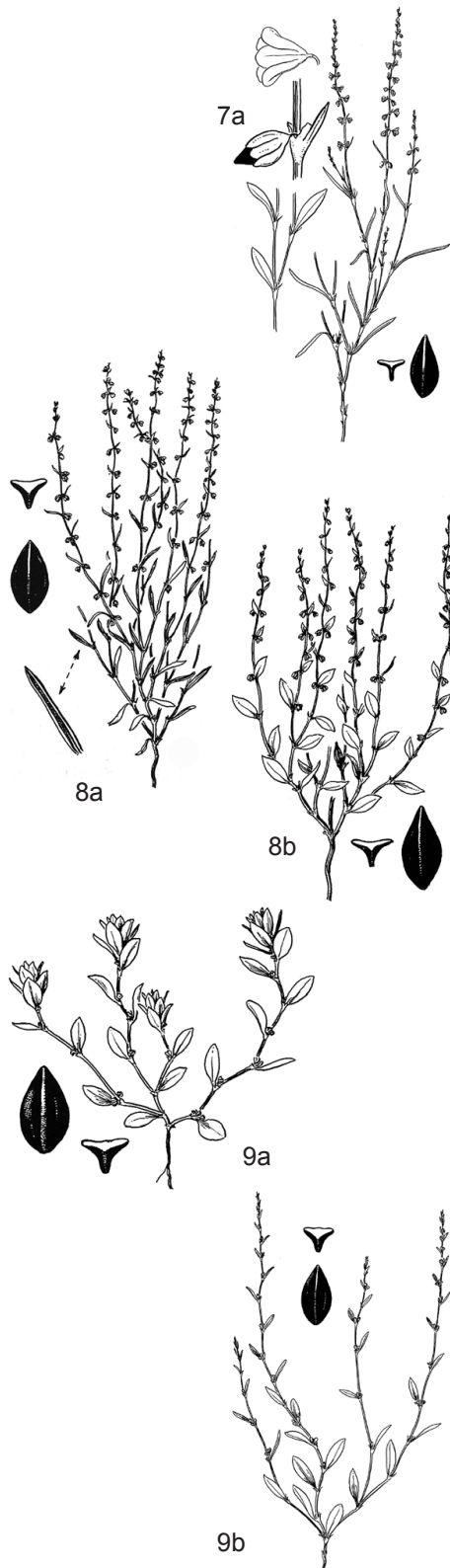


POLYGONUM Knotweed

- 01a** Stems distinctly and ± regularly 8-16-ribbed; leaf veins pinnate, secondary veins conspicuous; anthers whitish yellow. **02**
- 01b** Stems 4-sided, with ribs obscure or absent; leaf veins parallel, secondary veins inconspicuous; anthers pink to purple. **05**



- 02a** Flower clusters spike-like, in leaf/branch axils or in axils and at stem tips; tepals greenish yellow with greenish to yellowish (rarely pink or white) edges, the outer 3 longer than the inner 2; achenes usually shining dark brown (sometimes dull), often projecting beyond the tepals ***Polygonum ramosissimum***
- 02b** Flower clusters not spike-like, always in leaf/branch axils; tepals white, pink or yellowish green, all of similar length; achenes dull, usually not projecting beyond the tepals. . . **03**
- 03a** Leaves all similar (usually); flower stalks 1.3-1.8(2) mm long, usually covered by the stipule sheaths; flowers closed, constricted just below the tip (urn-shaped); tepals yellowish green, keeled; achenes yellow-green to tan, uniformly covered in small wart-like bumps, covered by the tepals ***Polygonum achoreum***^x
. . [***Polygonum erectum* subsp. *achoreum***]
- 03b** Leaves varying in size and/or shape (rarely all similar); flower stalks 1.5-7 mm long, usually extending beyond the stipule sheaths; flowers not urn shaped; tepals white or pinkish, not keeled; achenes tan to light or dark brown, with tiny wart-like bumps in lengthwise lines (sometimes obscure), covered by or extending beyond the tepals **04**
- 04a** Plants sprawling to erect, with several branches curving in a zig-zag pattern; leaves green to gray-green, sometimes white with powdery mildew; tepals 1.5-3 mm long, green or reddish brown with white, pink, or red edges; achenes covered by or extending beyond the tepals ***Polygonum aviculare***^x
. [***Polygonum monspeliense***;
Polygonum arenastrum* ssp. *depressum]
- 04b** Plants erect to ascending, with few branches (not zig-zagged); leaves light green or yellowish, rarely white-with mildew; tepals usually ≈ 3 mm long, green with yellowish (rarely pale green) edges; achenes covered by tepals ***Polygonum erectum***
- 05a** Leaves 3-veined (side veins sometimes inconspicuous), without stalks; tepals uniformly white, pink, or red, pointed at the tip, thickened on the midvein (appearing keeled); achenes light yellow, greenish brown or light to dark brown ***Polygonum polygaloides***
[***Polygonum watsonii* ssp. *confertiflorum***]
- 05b** Leaves 1-veined, with stalks 0.1-3 mm long; tepals variously colored but edged with a narrow band of white or pink, rounded at the tip, not thickened on the midvein (except *P. minimum*); achenes black. **06**
- 06a** Fruit stalks bent sharply back **07**
- 06b** Fruit stalks erect or nearly so **09**



07a Plants green, erect, (5)10-40(80) cm tall; basal leaves shed very early; stipule sheaths (ocreae) 6-12 mm long; tepals and achenes 3-4.5 mm long; tepal midveins usually branched. ***Polygonum douglasii***

07b Plants green or purplish brown, erect to ascending, 4-15(30) cm tall; basal leaves persistent; stipule sheaths 3-5 mm long; tepals and achenes (1.2)2-3 mm long; tepal midveins unbranched. **08**

08a Lower leaves linear to lance-shaped, 10-20(25) × 1-3(4) mm; leaf edges rolled downward, smooth; upper bracts awl-shaped; flowers produced throughout the plant, nearly to the base; achenes projecting beyond the tepals ***Polygonum engelmannii*** ^{S2}

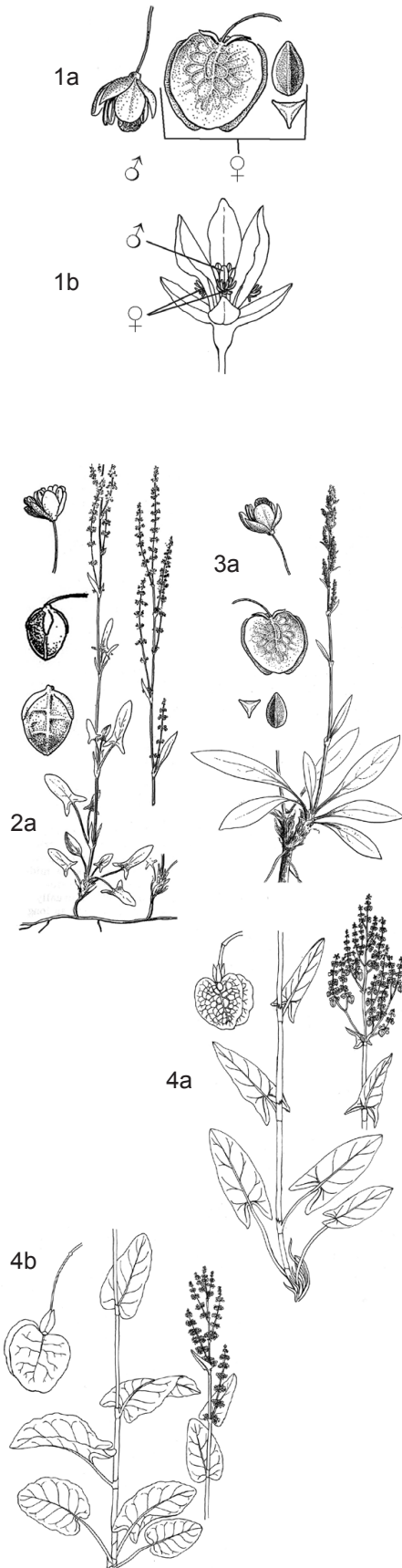
. [***Polygonum douglasii* ssp. *engelmannii***]
08b Lower leaves egg-shaped, 5-15 × 4-7 mm; leaf edges flat or narrowly rolled downward, with small teeth tipped with tiny, blunt projections (papillae); upper bracts lance-shaped or oblong; flowers concentrated near the top of the plant; achenes covered by the tepals . . . ^{S1}
. ***Polygonum austiniae***
. [***Polygonum douglasii* ssp. *austiniae***]

09a Plants erect to sprawling; stems with tiny, stiff hairs and rounded projections (papillae), 2-10(30) cm long, <1 mm thick, wiry, often zig-zagged; stipule sheaths (ocreae) 1-4 mm long; leaves evenly distributed or crowded at branch tips, only slightly smaller near the branch tips, narrowly elliptic to egg-shaped or almost round, 6-27 mm long, with flat edges; flower clusters broad and flat-topped (cymes) from stem/leaf axils; tepals 1.8-2.5 mm long, fused for 22-29% of their length; achenes 1.8-2.3 mm long . . . ***Polygonum minimum*** ^{S2}

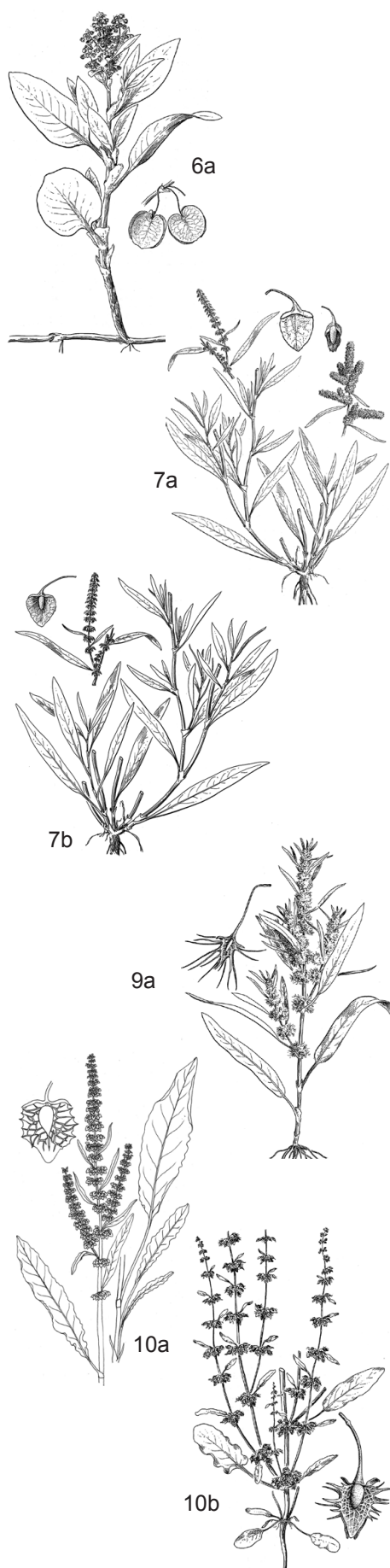
09b Plants erect; stems smooth, 4-50 cm long, usually >1mm thick, not wiry; stipule sheaths 4-10 mm long; leaves evenly distributed, abruptly reduced to bracts near the branch tips, narrowly oblong to lance-shaped and widest above midleaf, 15-45 mm long, with edges rolled downwards (usually); flower clusters narrow and elongating (racemes) 5-15 cm long, from leaf/stem axils and sometimes at stem tips; tepals (2.5)3-3.5 mm long, fused for 25-40% of their length; achenes 2.5-3 mm long. ***Polygonum sawatchense*** ^{SU}

RUMEX Dock, Sorrel

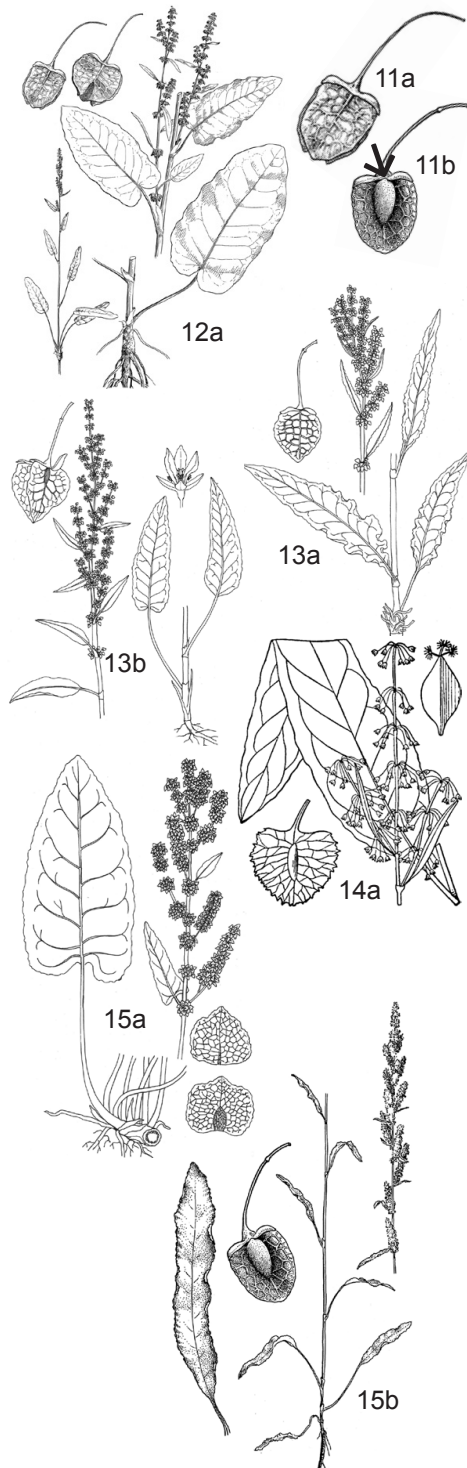
Sizes and shapes of many plants in this genus vary greatly with varying environmental conditions. The features described in this key reflect characteristics of "normal" plants in their usual habitats.



- 01a** Flowers all or most with either ♂ or ♀ parts; ♂ and ♀ flowers usually on separate plants; flower stalks clearly jointed; leaves arrowhead-shaped and/or plants alpine/subalpine . . . **02**
- 01b** Flowers all or most with both ♂ and ♀ parts; flower stalks clearly jointed or not; leaves various, if arrowhead-shaped then plants not alpine/subalpine . . . **05**
- 02a** Flower stalks jointed near the top; outer tepals bent towards the inner ones; inner tepals 1.2-1.7(2) mm long, without a free wing (or the wing barely visible); tubercles (small wart-like bumps) absent; leaves with (0)2 spreading lobes at the base, smooth-edged, rarely with many lobes . . . ***Rumex acetosella***^X
- 02b** Flower stalks jointed near the base or near the middle; outer tepals bent sharply backwards (sometimes spreading); inner tepals 2.5-5 mm long, with a free wing wider and longer than the achene; tubercles present at the base of the inner tepals; leaf blades with or without basal lobes . . . **03**
- 03a** Leaves broadly lance-shaped, without basal lobes, gradually tapered to the stalk, 3-7(10) × (0.6)1-3(4) cm; rootstocks thick, vertical, with densely tufted underground stolons . . . ***Rumex paucifolius***^{SH}
- 03b** Leaves (at least some) arrowhead shaped with downward-pointing basal lobes; rootstocks relatively thin and shallow, horizontal or slightly angled upwards . . . **04**
- 04a** Stipules cut into narrow lobes (especially on middle and upper stem leaves); achenes black to dark brown, shiny; leaves oblong-egg-shaped to lance-shaped, >2.5 times as long as wide . . . ***Rumex acetosa***^{SU}
- 04b** Stipules smooth-edged (sometimes with narrow lobes near the tip); achenes dark brown to brownish yellow, dull; leaves broadly to oblong-egg-shaped, <2.5 times as long as wide . . . ***Rumex lapponicus***
- 05a** Plants without basal rosettes of leaves; stems branched, with leafy shoots or secondary flower clusters from the upper branch/leaf axils; leaf bases wedge-shaped; inner tepals smooth-edged (sometimes indistinctly jagged near the base in *Rumex triangulivalvis*) . . . **06**
- 05b** Plants with basal rosettes of leaves (sometimes not persistent at maturity); stems unbranched, often several from the base, without shoots or flower clusters in branch/leaf axils; leaf bases notched to wedge-shaped; inner tepals smooth-edged or toothed . . . **08**



- 06a** Inner tepals (20)23-30 mm wide, distinctly net-veined; rootstocks creeping; leaves \pm leathery; achenes $5-7 \times 4-6$ mm ***Rumex venosus***
- 06b** Inner tepals <15 mm wide, not distinctly net-veined; rootstocks vertical, occasionally short-creeping; leaves thin, not leathery; achenes $\leq 2 \times 1.5$ mm **07**
- 07a** Flower clusters widely branching, with simple, crowded branches; tubercles absent ***Rumex utahensis*** ^{SU}
- 07b** Flower clusters widely to narrowly branching, with first- and second-order branches; tubercles 3 (rarely 1, and then $\geq 1/2$ as wide as the tepal), equal or subequal, much narrower than the tepal, smooth or warty ***Rumex triangulivalvis***
- 08a** Inner tepals distinctly toothed; tubercles 3, equal or subequal (rarely unequal in *R. fueginus*) **09**
- 08b** Inner tepals smooth-edged or with small (<0.2 mm) teeth; tubercles various **11**
- 09a** Plants with blunt, hair-like projections (papillae) in the flower clusters and on the underside of leaves; clasping stipules present at maturity; flower stalks smooth or with indistinctly swollen joints; inner tepals $1.5-2.5 \times 0.7-0.9$ (-1.2) mm (excluding teeth), with 2-3 teeth per side; tepal teeth 1-3 mm long, 1.5-2.5(4) times the width of the tepal (teeth rarely short to lacking); tubercles distinctly net-veined/pitted (especially when dry); leaf blades (3)5-25(30) \times (1)1.5-3(4) cm, >4 times as long as wide ***Rumex fueginus* [*Rumex maritimus*]**
- 09b** Plants without papillae or with a few on the lower sides of leaf veins; clasping stipules usually shed by maturity; flower stalks with distinctly swollen joints; inner tepals $3-5(6) \times (2)3-5$ mm (excluding teeth), with 2-10 teeth per side; tepal teeth \leq the width of the tepal; tubercles not distinctly net-veined/pitted; leaf blades <4 times as long as wide. **10**
- 10a** Plants perennial; leaves oblong-lance-shaped to narrowly lance-shaped, $15-25(30) \times 2-7$ cm; leaf edges smooth or with small, irregular teeth, usually curled and wavy; flower clusters dense or interrupted at base; flowers in whorls of 20-25; inner tepals 3-5 mm wide (excluding teeth), with 4-10, 0.2-1.5 mm-long teeth per side; tubercles 3, distinctly narrower than the tepals ***Rumex stenophyllus*** ^X
- 10b** Plants annual (rarely biennial); leaves oblong, elliptic-lance-shaped, or elliptic-egg-shaped, $3-8(12) \times 2-5$ cm; leaf edges smooth, flat to weakly wavy/curled; flower clusters loose and interrupted; flowers in rather dense, separated whorls of 10-20; inner tepals 2-3 mm wide (excluding teeth), with 2-4(5), 1-3(5) mm-long teeth per side; tubercles 1-3, nearly as wide as the tepals ***Rumex dentatus*** ^X



- 11a** Flowers without tubercles or with 1 indistinct swelling <1.3 mm wide **12**
- 11b** Flowers with 1-3 distinct tubercles (→) (rarely absent or indistinct in *R. confertus*) **14**
- 12a** Flower-stalk joints inconspicuous, not distinctly swollen; flowers without tubercles *Rumex occidentalis*
. [*Rumex aquaticus* var. *fenestratus*]
- 12b** Flower-stalk joints obvious, distinctly swollen; flowers sometimes with 1 indistinct tubercle or slightly thickened midvein. **13**
- 13a** Leaf blades 15-30 × 1-4 cm, narrowly wedge-shaped at the base; inner tepals 3-5 mm wide; achenes reddish brown, 2-2.5 × 1-1.5 mm *Rumex pseudonatronatus*^x
- 13b** Leaf blades 25-50(60) × 7-15 cm, broadly wedge-shaped, rounded, or slightly notched at the base; inner tepals (4.5)5-7(7.5) mm wide; achenes dark brown or brown, (2.5)3-3.5(4) × 1.5-2 mm. *Rumex longifolius*^x
- 14a** Flowers with 3 distinct ± equal tubercles; leaf blades 20-55(70) cm long, lance-shaped or oblong-lance-shaped, tapered to a wedge-shaped (rarely rounded or squared) base *Rumex britannica* [*Rumex orbiculatus*]
- 14b** Flowers with 1 tubercle or with 3 unequal tubercles (at least 1 distinctly larger); leaf blades 15-30(35) cm long, lance-shaped to broadly egg-shaped, tapered to a wedge-shaped, squared or notched base **15**
- 15a** Plants perennial; leaves ± triangular, broadly egg-shaped, or egg-shaped-elliptic, blunt to pointed at the tip, deeply and broadly notched at the base; leaf edges smooth to obscurely wavy, slightly irregularly curled; inner tepals nearly circular to kidney-shaped, 6-9 × 6-11 mm; tubercle (0)1 *Rumex confertus*^x
- 15b** Plants perennial or biennial; leaves lance-shaped, sharp-pointed at the tip, wedge-shaped, squared or weakly notched at the base; leaf edges strongly wavy and curled; inner tepals egg-shaped to broadly triangular, 3.5-6 × 3-5 mm; tubercles (1-2)3, unequal, at least 1 distinctly larger *Rumex crispus*^x

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Scientific Name	Illus. Source	Scientific Name	Illus. Source
<i>Bistorta bistortoides</i>	H&C	<i>Rumex longifolius</i>	LK
<i>Bistorta vivipara</i>	H&C; LK	<i>Rumex occidentalis</i>	H&C
<i>Eriogonum androsaceum</i>	H&C	<i>Rumex paucifolius</i>	H&C
<i>Eriogonum cernuum</i>	H&C	<i>Rumex pseudonatronatus</i>	LK
<i>Eriogonum flavum</i>	H&C	<i>Rumex stenophyllus</i>	LK
<i>Eriogonum ovalifolium</i>	H&C	<i>Rumex triangulivalvis</i>	H&C
<i>Eriogonum pauciflorum</i>	H&C	<i>Rumex utahensis</i>	H&C
<i>Eriogonum umbellatum</i>	H&C	<i>Rumex venosus</i>	H&C
<i>Fagopyrum esculentum</i>	BC		
<i>Fagopyrum tataricum</i>	LK		
<i>Fallopia convolvulus</i>	H&C		
<i>Fallopia scandens</i>	B&B		
<i>Koenigia islandica</i>	B&B		
<i>Oxyria digyna</i>	H&C		
<i>Persicaria amphibia</i>	H&C		
<i>Persicaria lapathifolia</i>	H&C		
<i>Persicaria maculosa</i>	H&C		
<i>Polygonum achoreum</i>	H&C; LK		
<i>Polygonum austiniae</i>	H&C		
<i>Polygonum aviculare</i>	H&C		
<i>Polygonum douglasii</i>	H&C		
<i>Polygonum engelmannii</i>	H&C		
<i>Polygonum erectum</i>	H&C		
<i>Persicaria hydropiper</i>	H&C		
<i>Polygonum minimum</i>	H&C		
<i>Polygonum polygaloides</i>	H&C		
<i>Polygonum ramosissimum</i>	H&C		
<i>Polygonum sawatchense</i>	H&C		
<i>Reynoutria japonica</i>	H&C		
<i>Rheum rhabarbarum</i>	LK		
<i>Rumex acetosa</i>	LK		
<i>Rumex acetosella</i>	H&C		
<i>Rumex britannica</i>	B&B		
<i>Rumex confertus</i>	LK		
<i>Rumex crispus</i>	H&C		
<i>Rumex dentatus</i>	H&C		
<i>Rumex fueginus</i>	H&C		
<i>Rumex lapponicus</i>	LK		

Key to Illustration Sources

B&B = Britton, N. L. and A. Brown (1913)

H&C = Hitchcock, C. L., A. Cronquist, M. Ownbey, and J. W. Thompson. (1955-69)

LK = Linda Kershaw

BC = illustrations from the Illustrated Flora of British Columbia (Douglas et. al., 1999), provided courtesy of the Province of British Columbia.

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