

June 29. The quamash and strawberries are just beginning to bloom at the flats on the head of the Kooskooskee river. The sunflower is also just beginning to bloom, two months later than those on the sides of the western mountains near the falls of the Columbia.

July 5.⁸ A dew this morning; the nights are cool; the mosquitoes are troublesome until a little after dark, when the air becomes cool, and they disappear.

July 6. I arrived in an open plain in the middle of which a violent wind from the northwest, accompanied with hard rain, lasted from 4 until 5.30 p. m. Quamash in the plains at the head of Wisdom river is just beginning to bloom, and the grass is about six inches high.

July 7. A small shower of rain at 4 a. m. was accompanied with wind from the S.S.W.

July 8. A heavy shower of rain was accompanied with wind from the southwest from 4 to 5 p. m.

July 9. Last night it was very cold and the wind hard from the northeast; the river is twelve inches higher than it was last summer; there is more snow on the adjacent mountains than there was at that time.

July 10. A large white frost last night; the air extremely cold; ice three-quarters of an inch thick on standing water.

(p. 521) July 11. A slight frost last night; the air cool; the mosquitoes retired a little after dark, and did not return until about an hour after sunrise.

July 17. A heavy shower of rain, accompanied with hail, thunder, and lightning, at 2 a. m., with hard wind from the southwest; after the shower was over it cleared away and became fair.

July 20. The river Rochejhone [*sic*—Roche-jaune] falls about half an inch in 24 hours, and becomes much clearer than above. Grasshoppers [*Caloptenus spretus*] are extremely numerous, and have destroyed every species of grass from 1 to 10 miles above on the river and a great distance back.

July 22. A few drops of rain last night at dark; the cloud appeared to hang to the southwest; wind blew hard from different points from 5 to 8 p. m., at which time it thundered and lightened. The river by 11 a. m. to-day had risen 15 inches, and the water was of a milky-white color.

July 23. The river has fallen within the last 24 hours 7 inches; the wind was violent from the southwest for about 3 hours last night, from 1 to 3 a. m. [so Clark M 147].

July 24. River falling a little; it is six feet lower than the highest appearance of its rise; rained from 3 to 4 p. m. but slightly; the wind violent from the southwest.

July 25. Several showers of rain with hard wind from the south and southwest the fore part of the day. The brooks on each side are high and the water muddy.

July 26. A slight shower this morning with hard wind from the southwest. The river falling but very slowly, 1 inch in 24 hours.

⁸ The remarks apply to the main party under Captain Clark, from this date till Aug. 12th.