

DOES REDWOOD TIMBER HARVESTING

LEAD TO MASSIVE EROSION AND EARTH SLIDES?

There are those who say that erosion from timber harvest will threaten the Redwood National Park. Georgia-Pacific made a camera survey at 22 points on the drainage facing the park where erosion would be the most likely to occur. It also pictorially surveyed several of the creeks flowing off this drainage into Redwood Creek. Each location is marked on the attached map and has been identified by numbered stakes left at the locations.

Results of the photo survey? . . . No severe erosion was observed and creeks were clear except for natural residues from a preceding, heavy two-day's rain. All creeks were clearer than Redwood Creek!

This land has been in use since 1948 with timber harvesting, clean-up, reharvesting, road building and recreation.

PHOTOGRAPHIC LOCATIONS
Georgia-Pacific Big Lagoon
Area

<u>Location #</u>	<u>Date Taken</u>	<u>Object</u>	<u>Location</u>
1	11/30/71	Road Cut Bank (park)	M-Line 150 ft. East of M-9 Jct.
2	11/30/71	Creek Mouth (park)	Tom McDonald & Redwood Crk. Jct.
3	11/30/71	Road Cut Bank (park)	M-Line Midway Between 1&2
4	11/30/71	Creek Mouth (park)	Bond & Redwood Crk Jct.
5	11/30/71	Creek (park)	100 yards up 44 Crk from mouth
6	12/01/71	Spur Road	C-Line 3/8 mi. East from C&G line jct.
7	12/01/71	Road cut Bank	C-Line 1/2 mi. East from C&G line jct.
8	12/01/71	Skid Road	C-Line 1 mi. East from C&G line jct.
9	12/01/71	Culvert head	C-Line 1 1/4 mi. east from C&G line jct.
10	12/01/71	Skid Road	C-12 Saddle
11	12/01/71	Skid Road	C-12 Park Boundary
12	12/01/71	Culvert Head	C-Line 100 yds. South of C-13 jct.
13	12/01/71	Culvert Head	C-Line 1/2 mi. North of C-13 jct.
14	12/01/71	Culvert Outlet	C-Line 3/4 mi East of 44 Crk Crossing
15	12/01/71	Tributary Creek	C-Line 1 mi. east of 44 crk. Crossing
16	12/01/71	Road Cut Bank	A-9 1/2 Mile east of C-13 jct.
17	12/01/71	Skid Road	
		Water Bar Diversion	A-9 3/8 mi. east of A-9 L-line jct.
18	12/01/71	" " "	" " " " " " " "
19	12/01/71	" " "	" " " " " " " "
20	12/01/71	Road Bank	L-1 150 yds. west of L-1-3 jct.
21	12/01/71	Culvert Outlet	L-1 200 yds. east of L-1-4 jct.
22	12/01/71	Creek	L-line Elam Crk. 1/4 mi. NE of L-3 jct.



1. This section of the "M" line truck road, now in the Redwood National Park along the west bank of Redwood Creek, was constructed in 1951. The area above the high bank was logged in 1963, with a salvage logging follow-up in 1965. No erosion.



2-A. Looking up Redwood Creek from its west bank at the confluence with Tom McDonald Creek. The clear water in the foreground is Tom McDonald Creek, flowing from the west. Upper portions of the Tom McDonald Creek watershed have been the scene of logging activity, either prime logging or re-logging (salvage) every year from 1948 through 1971. After 2 days of hard rain it is clearer by far than Redwood Creek.



2-B. Looking downstream on Redwood Creek, from its west bank at its confluence with Tom McDonald Creek. Clear waters of Tom McDonald are seen in the foreground. This is taken from the same position as 2-A, only the camera is pointing downstream. Tall Trees area across stream.



2-C. This view of Tom McDonald Creek was taken about 100 feet above its confluence with Redwood Creek. Quite clear after 2 days hard rain. In color you could see bottom.



3. Another view of the M-Line road, which was built along the west bank of Redwood Creek, at this point, in 1951. The area above the road, beyond the young growth redwood and alder, was harvested in 1963 and relogged in 1965. This section of the road and adjoining property are in the Redwood National Park. No erosion.



4. Clear waters of Bond Creek, flowing from the right or west, are shown as they join Redwood Creek in the Redwood National Park after 2 days hard rain. The upper portions of the Bond Creek watershed were logged or relogged in 1960, 1961, 1964, 1965, 1966, 1968, 1969, 1970 and 1971.



5. Here is Forty-four Creek, in the Redwood National Park, about 100 yards above the point it flows into Redwood Creek. The upper portion of Forty-four Creek watershed on G-P land was logged or relogged in 1953, 1954, 1955, 1959, 1960, 1962, 1963, 1964, 1966, 1967, 1968, 1969 and 1971. In good shape after 2 days hard rain.



6. This is an old spur road joining the C-Line logging road. This spur was constructed in 1958. This area was logged in 1958 and relogged in 1965. Minimal erosion.



7. This is a portion of the C-Line logging road, built in 1949 and used continuously since for timber harvest, reforestation and fire protection. The area above the road was logged in 1958 and relogged in 1965. Bank is in good condition.



8. This is an old skid road tributary to the C-Line road. The area was logged in 1955 and relogged in 1965. Virtually no erosion. Note young trees.



9-A. Culvert head on the C-Line logging road. This culvert was installed in 1949. The area was logged in 1958 and relogged in 1964. No erosion. Much vigorous young growth.



9-B. This view is looking into the culvert shown in Photo 9-A,
on the C-Line road. Very clean.



10. This is an old skid road, tributary to and below the C-Line logging road. It was used when the area was logged in 1953. This point is just a short distance above the Redwood National Park. No erosion. Young trees have overgrown access.



11. Skid road at the Redwood National Park boundary. This area was logged in 1960 and relogged in 1964. No erosion.



12. This culvert head installation is on the C-Line road and was made in 1953. The area above the road was logged in 1963. Clean; uneroded.



13. Another culvert head on C-Line logging road, installed in 1953. The area above the road was logged in 1962. Clean; uneroded.



14. This culvert outlet, surrounded by lush vegetation, is on the C-Line logging road. The area above the road at this point was logged in 1953. Clean, clear and uneroded.



15. This creek is tributary to Forty-four Creek in an area logged in 1955. After 2 days hard rain. Note stream-side cover shading creek.



16. This is a section of the A-9 logging road, looking uphill to the west a little more than half a mile above the Redwood National Park. This road was constructed in 1965. The area above the road was logged in 1968, with relogging in 1969. Water in gutter is runoff after 2 days hard rain. Bank and road are in good shape.



17-18-19. Three views of a skid road near the point it joins the A-9 logging road in an area logged in 1969. Note, water diversion bars show in all three photos. No erosion. Hundreds of small trees on this ground, too young to show up in photo.







20. Road bank on L-1 logging road, a quarter of a mile above Redwood National Park. This area was logged in 1965 and relogged in 1971. No erosion. Too many young trees have sprung up and will need to be thinned later.



21. This culvert outlet is on L-1 logging road about one mile from the scene in Photo No. 20 and about an eighth of a mile above the Redwood National Park boundary. This area was logged in 1965 and relogged in 1971. Clean, uneroded and uncluttered.



22. This view of Elam Creek is about three-fourths of a mile west of the Redwood National Park boundary. The upper watershed was logged and relogged in 1962, 1963, 1969, 1970 and 1971. In color photos you can perceive bottom of the creek even after 2 days hard rain.